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APRIL

1912

ONE YEAR 50¢.

THREE YEARS \$1.20

# THE INDUSTRIOUS HEN

A MONTHLY MAGAZINE  
FOR THE  
COMMERCIAL AND FANCY POULTRYMAN



First cock and hen at Atlanta, Ga., Dec., 1911. Typical Rhode Island Whites. The birds for the twentieth century. World's best layers. Quickest sellers. Greatest money makers. Bred and owned by Mrs. C. M. Vertrees, Cecilian, Ky., secretary-treasurer Rhode Island White Club of America.

THE INDUSTRIOUS HEN  
PUBLISHERS  
KNOXVILLE TENNESSEE

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# SINGLE COMB BLACK AND WHITE MINORCAS

—THE BEST IN THE SOUTH—

My birds have won more firsts and specials at Tennessee State Fair, Appalachian Exposition, Lebanon, Tullahoma, Knoxville, Memphis, etc., than those of any other Southern breeder. Since the addition, by purchase of the entire flock of Mr. J. C. Vaughan, my birds are unexcelled in quality and undefeated in the show room. In BLACK MINORCAS I have three grand pens mated, each pen headed by prize winners at the State Fair and Appalachian Exposition. To these males are mated my prize-winning females at the above shows, and they are bound to produce some of the grandest birds that ever graced a show room.

In WHITE MINORCAS, I have mated but two pens. My first pen is headed by a handsome male bird that won first both as cock and cockerel, mated to twelve prize-winning females that have never met their equal in the show room. Pen No. 2 is in every way equally as good as No. 1 and contains prize-winners.

EGGS—For the present season will sell eggs from either Black or White Minorcas at \$5.00 per 15, two sittings for \$8.00. Some stock for sale, both varieties. Send for my folder giving winnings and stock in my pens. Egg orders should be booked at once. Satisfaction guaranteed absolutely.



**Mrs. Jno. M. Grissim** Prop. Dry Branch Poultry Farm **Lebanon, Tenn.**

W. D. HEARN, PROPRIETOR

A. P. RYLAND, MANAGER

## HEARNDALE FARM

### Ryland's White Leghorns

Still on top, winning at the great Tri-State Fair, Memphis, Tenn., Sept. 27-Oct. 4, 1911, in the largest class ever gotten together in the South, 209 S. C. White Leghorns from six different States. We won 1st, 2d, 3d and 5th cock on five entries, 12 cocks in class; 1st, 4th and 5th pullets on three entries, 64 pullets in class; 5th cockerel on two entries, 38 in class. Have nice lot of breeders on hand, also show birds that come as near requirements for new standard as any we have seen—good long backs, with nice concave sweep to tail which is so hard to get. We also breed S. C. Rhode Island Reds, Black Orpingtons, Indian Runner Ducks, both light and dark fawn and white, White Holland Turkeys, Embden Geese, Registered Berkshire Hogs, Jersey Cattle and Southdown Sheep.

**R. F. D. 1, Box H 135, : Pine Bluff, Ark.**



"Rahway Chief"

## ORPINGTON CHICKS

\$18.00 per 100

**BUFF WHITE BLACK**

We will sell you BUFF, WHITE AND BLACK ORPINGTON CHICKS from a large number of pens carefully mated, and yarded pens of birds containing many prize winners, and every bird is related to birds that have been prize winners at such shows as

**Madison Square Garden, Camden, Trenton, Washington, Passaic, Bristol, Scranton**

Our stock contains some of the best blood line from the most famous prize winning strains and are themselves winners. EGGS from our many superb pens of prize winners at \$8.00 to \$15.00 per 15. We also breed

**White Wyandottes, White Rocks and S. C. Reds**

Chicks, Eggs, Stock. Prices reasonable, booking orders now. Handsome catalogue free; write today.

**F. B. CRAWFORD**

: : : :

**Box 115-K, Rahway, N. J.**

## McDanell's Golden and Columbian Wyandottes

MY GOLDEN WYANDOTTE exhibit at Chicago this winter was acknowledged to be the largest, finest and best ever seen in America, winning the coveted prize of Silver Cup for best exhibit and many other first, second and third prizes. My COLUMBIAN WYANDOTTES won every first and A. P. A. Medal for best cockerel at the big Cincinnati and Louisville shows. Send for Mating List, "Golden Opportunity."

**OLD HOMESTEAD FARMS, J. H. McDanell, Prop., Box 126, Warsaw, Ky.**

## WORLD'S BEST RHODE ISLAND REDS and IMPORTED WHITE INDIAN RUNNER DUCKS

My 1st championship pen of Reds this season is headed by 2nd Madison Square, New York, Cock, January, 1910, and contains 1st Madison Square Pullet, December, 1910, valued at \$10,000.00, also 1st, 2nd, 3rd, 4th and 5th Madison Square pullets, January, 1910. The greatest pen of Reds ever put together. Write for free catalogue.

**SOUTHERN POULTRY FARM**

: **Wade Hampton, Prop.**

: **ROGERSVILLE, TENN.**



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And the angel answered and said unto the women, Fear not ye: for I know that ye seek Jesus, which was crucified.

He is not here: for He is risen, as He said. Come, see the place where the Lord lay.—Matt. 28: 5, 6.

## A Personal Word

The spring is as backward as a blushing bride. From the lakes on the north to the gulf on the south; from the pond on the east to the brook on the west, "winter lingers in the lap of spring." At least, that's what they all say. Old "Biddy" is thirty days behind schedule time, she won't "set," and the egg trade just can't find a starting point. The weather man is behind the breastworks and shoving it out to us. And all this brings us down to something else.

You cannot afford to stop your advertising now. "Biddy" is just beginning to cluck, and the people are getting ready to buy eggs. Your "ad" will count for more now than at any other time. Thousands of chickens will be hatched in May this year and you will want your share of the late business. Our May issue will be mailed by "May Day," and we feel sure it will be worth much more than it will cost you to use a liberal amount of space in our May issue.

Please think it over.

We are pleased with the liberal response to our special Breeders' Card proposition. Several have already written us to know if they may renew at this special rate at the expiration of their contract. We have decided, therefore, that we will not only continue our special rate, but will go you one better; and to those who send in their contracts with cash in advance we make the following offer: Breeders cards of 30 words or less will be run for three months for \$1.50; six months for \$2.50, or one year for \$5.00. Each additional word will be charged for at our regular rate of two cents a word for each insertion.



## Barred Plymouth Rocks

Winners at Louisville, Frankfort, Owensboro Shows, and Kentucky State Fairs. 1st Cockerel, 1st Hen, 1st Pen, 2nd Pullet, 3rd Cock, 3rd Hen, 4th Cock, 4th Hen, 4th Cockerel, 4th Pullet, cash prize for best Pen, Louisville Poultry Show, Jan. 19, 1911. 1st Pullet, 2nd Pullet, 2nd Hen, 2nd Cock, 3rd Cockerel, cash prize for best Barred Plymouth Rocks, Kentucky State Fair, Sept. 12, 1910. 1st Cock, 1st Cockerel, 1st Pullet, Frankfort, Sept., 1909. 1st Hen, 1st Pullet, 2nd Cockerel, 3rd Cock, 3rd Cockerel, 3rd Pullet, cash prize for best Barred Plymouth Rocks, Kentucky State Fair, Sept. 1909. 1st Pullet, 1st Hen, 2nd Hen, 3rd Cock, 3rd Cockerel, 4th Cockerel, 4th Hen, 4th Pullet, special for best shaped female, silver cup for best Barred Plymouth Rocks, Louisville Poultry Show, Dec., 1909. All firsts, Owensboro, Oct. 1909. 1st Cockerel, 3rd Pullet, 3rd Cock, 4th Cockerel, 4th Hen, 4th Pullet, 5th Hen, 5th Pullet, blue ribbon for best display. Cash prize for best Barred Plymouth Rocks. Kentucky State Fair, September, 1911.

Eggs \$3.00 per 15      Eggs \$ 7.50 per 50  
Eggs 5.50 " 30      Eggs 15.00 " 100

Prize matings \$4.00 per 15, straight

Buy eggs from us now, and raise your winners for this fall. Twenty mated pens for 1912. No utility matings. We supply eggs from cockerel or pullet bred pens, and they contain all the winning birds at the shows we have exhibited. Twenty-one years of careful line breeding, on admittedly the best Barred Rock Farm in the country, enables us to furnish you with a prize winner in every egg. We ship in our special "3000 mile" egg container, and guarantee safe delivery any distance. Get our big 40 page catalogue and mating list. Get others—see the difference. Before placing order, write for catalogue No. 7.

POPE & POPE      Box H      Louisville, Ky.



MERRY WIDOW  
First Prize Hen  
Louisville,  
Jan., 1911

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1911  
Pope & Pope

## PLYMOUTH ROCKS BUFF and WHITE

EXCELSIOR BUFFS---QUEEN QUALITY WHITES

Winners at all the leading Southern shows. Eggs for hatching—\$2.00, \$3.00 and \$5.00 per fifteen. Exhibition and breeding stock for sale. If you want the best and are willing to pay a fair price, get our Mating List. Free on request. The accompanying photo is our First Cockerel, International Poultry Show, Atlanta, class of 28, Poley judge.

EXCELSIOR POULTRY YARDS,      Gadsden, Alabama



## BLACK ORPINGTONS

I make the positive statement that I have one of the best flocks of BLACK ORPINGTONS in the South. A visit to my farm will convince any one. At the SOUTHERN INTERNATIONAL POULTRY SHOW, on ten entries, I won ten ribbons and two silver loving cups. Over one hundred male and female birds of very best quality for sale at moderate price. Eggs for hatching from three yards. First yard headed by the best cock I ever saw. He won first as a cockerel at Chicago. Second yard headed by the cock that won the \$50.00 cup offered by Wm. Cook & Sons at the December show in Atlanta. Third yard headed by cockerel winning first at the same show. The females in these breeding yards are a grand lot, many of them prize winners, and some of them imported.

I also have three magnificent yards of BUFF ORPINGTONS. In WHITES I have four matchless yards.

When I tell you that I have in one of my yards the hens that won first, second, third, fourth and fifth at Atlanta in December, and that they are mated to a grand first prize cock bird, you can judge for yourself as to the strength of my WHITE ORPINGTONS. For Egg prices, see Breeders' Card. Write me.

MRS. L. P. EBERHARDT

27 West Church Street

—:—

Elberton, Georgia

## Christie's S. C. White and Brown Leghorns

Remember we are the originators of these two famous strains of Leghorns, and in the hands of our thousands of pleased customers, they have proven to be just as we have represented them for the past twelve years—the greatest layers of large, white-shelled eggs in the world today. Then why waste your valuable time and good money purchasing cheap and inferior stock, when we can furnish you with a foundation that will be without an equal? Our breeding pens this season contain six hundred of the finest Single Comb White and Brown Leghorns that we have ever owned—each and every bird a typical Leghorn, each and every bird with an egg record. Remember our guarantee is back of every sale we make, and it is backed up by years of experience. Our 24-page catalogue is at your disposal. Write for it.

S. C. White and Brown Leghorn Day-old Chicks, \$15.00 per 100

WAYNE POULTRY FARM, F. W. Christie, Prop., Box 52, Stony Point, N. Y.



# S. C. WHITE LEGHORNS

## THAT LAY, WEIGH AND WIN

**"Let Them Say, What Say They, Let Them Say."  
Our Winnings Are On Record.**

At The Recent Indianapolis Show We Won With Only Thirteen Birds:

COCK	COCKEREL	HEN	PULLET	PEN
2	1	1	1	2
3	4	2	5	

A Repetition of These Winnings at St. Louis and Chicago Shows Prove The Quality of The E. W. GROVE, Jr. Standard of S. C. WHITE LEGHORNS

### Some of The Prize Winnings You See Advertised

have been obtained at County Fairs and "One Horse Shows"; but these compare with Chicago, St. Louis and Indianapolis about as well as the Burlesque Theatres of today do with the Grand Operas and their like.

**MORAL:** Before buying good foundation stock, first convince yourself that the winnings of their stock have been obtained at the foremost shows of America. Those having received honors at the better shows usually make it known.

### It's not the Brand on a Horse that makes him Travel, but his Breeding

Send fifty cents in stamps for the most complete information on S. C. White Leghorns ever bound in book form. If you consider the book not worthy of its price, we will be only too glad to refund you your money, as the book has cost us considerably more.

*In answering our advertisement kindly mention this magazine and give to it the credit it has obtained.*

**E. W. GROVE, Jr., R. F. D. No. 1, Clayton, Mo.**

*WE ENVY NO MAN HIS ACCOMPLISHMENTS,  
FOR THEY ARE FOR BETTER POULTRY.*

**Specialty Breeders of S. C. WHITE LEGHORNS**

Life Members of A. P. A. and National S. C. White Leghorn Club.



**ROCKS—DUCKS—LEGHORNS**

RINGLET BARRED ROCKS  
ROSE COMB WHITE LEGHORNS  
PURE WHITE INDIAN RUNNERS  
FAWN AND WHITE INDIAN RUNNERS  
ENGLISH PENCILED INDIAN RUNNERS  
Booking orders for eggs now.

I. B. ROYSE, Sharpsburg, Kentucky

**S. C. WHITE KLONDIKES  
BARRED AND WHITE ROCKS**

Only a limited number of eggs for hatching for sale from each variety. WRITE FOR CIRCULAR AND WINNINGS.

G. LONGSTRETH : Belington, W. Va.

**Partridge WYANDOTTES**

BEST STRAINS

My stock not exhibited, and will sell eggs for sitting this season at \$1.50 per fifteen, straight.

J. G. ROBBINS, Mayfield, Ky.

**S. C. WHITE ORPINGTONS and  
BLACK MINORCAS**  
PRIZE WINNERS.

Eggs for sale. First pen, \$2 and \$3 for 15. If you want honest treatment, write

MRS. R. W. BARROW

411 E. 4th North St. Morristown, Tenn

**Shenk's Anconas**

LAI'D ALL THE WINTER AND  
LAYING NOW.

15 eggs, \$1.25; 30, \$2.25; 50, \$3.50. Thirty other leading popular breeds listed in my 36-page free catalogue.

C. L. SHENK, Luray, Va.

**EGGS FOR HATCHING**

FROM PRIZE WINNERS

S. C. WHITE and BROWN LEGHORN Eggs, \$1.50 and \$2.00 per 15. WHITE CRESTED BLACK POLISH Eggs, \$2.00 per 15. Satisfaction guaranteed.

A. L. LOVE, R. 4, Mosheim, Tenn.

**S.C. White Leghorns**

Will have lots of stock for sale from my exhibition pens for Fall shows. Eggs from best pens, \$1.00 per 15 balance of season.

J. B. VINSON

1020 Mulberry St. : PINE BLUFF, ARK.

**RUSSELL'S  
WHITE WYANDOTTES**

Won first prizes Memphis, Little Rock, Fort Smith, Hot Springs, Oklahoma City and Pine Bluff. High grade cockerels, \$5 and up. Eggs, \$3 per 15. Agents Cyphers Incubators and Brooders. Leg Bands, 12 for 20c, 50 for 40c. SATISFACTION GUARANTEED.

A. G. RUSSELL & SON : Pine Bluff, Arkansas

**ANCONAS**

A very limited number of sittings of eggs from the famous pen exhibited by Commissioner Peck on the Agricultural Train, at \$2.50 per 15. Book orders now as only a few sittings will be sold.

E. H. DePOY, Route 6 Knoxville, Tennessee

**Twice Told  
Tales****Government Whitewash.**

Half a bushel of unslaked lime slaked with warm water. Cover it during the process to keep down the steam. Strain the liquid through a fine sieve or strainer. Add a peck of salt previously well dissolved in warm water, three pounds of ground rice boiled to a thin paste, and stir in boiling hot a half pound of powdered Spanish whiting (plaster of Paris) and a pound of side or inside work, and it retains its over a slow fire, and add five gallons of hot water to the mixture. Stir well and let it stand for a few days. Cover up from dirt. It should be put on hot. One pint of the mixture will cover a square yard if properly applied. Small brushes are best. There is nothing that compares with it for outside or inside work, and it retains its brilliancy for many years. Coloring may be put into it and made of any shade, Spanish brown, yellow, or common clay. To it may be added two pints of carbolic acid, which will make it a disinfectant.

There will be but little complaint this season about eggs not hatching well. For more than thirty years we have carefully watched and the record is that after a very severe cold winter eggs hatch satisfactorily; that in a season following a warm, open winter the hatches are poor. Our idea is that when hens lay regularly all winter they are weakened by the time they produce eggs for hatching in the spring and the life-germ of the egg is low in vitality, hence a poor hatch. During the winter we have just passed through, hens in the northern states have produced but few eggs. They will be in full vigor this month and next and we may look for good hatches.—Thos. F. Rigg, in Reliable Poultry Journal.

Farmers lose no little amount of money in feeding chickens that support a crop of lice instead of filling the egg basket. The louse question is an old one and I will not take it further at this time. Scaly leg is also allowed to run its course and noth-

**ORPINGTONS**

KELLARSTRASS S. C. CRYSTAL WHITES OF QUALITY—the big winter layers. Breed only the one kind. Eggs, single birds, pairs, trios or pens. Satisfaction guaranteed. Send for illustrated catalogue.

Crystal Poultry Yards, Fredericktown, Mo.

**Cooper's R. I. REDS**

SINGLE COMB

Are always there with the Goods—  
Eggs or ribbons.

SAM M. COOPER : Fountain City, Tenn.

**Single Comb Black Minorcas  
Buttercups, White Wyandottes**

Eggs for hatching. My breeding pens contain prize winners carefully mated. Each pen headed by a prize winner. Write for Mating List today. J. B. SANDER, Route 6, Box 47, Paducah, Kentucky.

**MAMMOTH BRONZE TURKEY EGGS**

We offer a few eggs from our flock of prize winners. Early orders filled first.

**BARRED PLYMOUTH ROCK EGGS**

Fifteen years successful breeding for stamina and usefulness. Eggs, \$1.50 per 15.

EASTVIEW POULTRY YARDS

Mrs. W. J. Landess, R. 5, Fayetteville, Tenn.

**MUMFORD'S POULTRY FARM**

BLUEMONT, N. C.

Winnings this season:—BARRED PLYMOUTH ROCKS—1 ck, 1-2 pul, Hickory, N. C.; 1 ck, 1 pen, special best cock, Morganton, N. C.; State Club cup of National Barred Rock club in strong class, Asheville, N. C. R. I. REDS—2 ck, cockerel, hen, National Club ribbon on male for shape and color. Old experienced breeders. Write for prices on stock and eggs.

**EDISON POULTRY YARDS**

I have the best mated pens of thoroughbred S. C. REDS, S. C. BROWN LEGHORNS and RINGLET BARRED ROCKS I have ever had. First and second pens should bring blue ribbons wherever shown. You will get your money's worth when ordering from me. First pens, \$3.00; second, pens, \$2.00; third pens, \$1.50 per 15. Satisfaction guaranteed.

MRS. B. F. PAYNE Humboldt, Tenn.

**WHITE ORPINGTONS**

Best pen contains four first prize winners.

**BLACK MINORCAS**

Best pen headed by cock that won three firsts, 1911. Females all prize winners; all score over 93 points. Eggs and stock for sale.

MIDNIGHT POULTRY YARDS  
Asheboro, N. C.

**Buff and White Orpingtons**

Eggs from blue ribbon winners at Knoxville, Lexington, and Kentucky State Fair, \$2.00, \$3.00 per 15. Have fifteen early cockerels left for sale cheap to make room for my young chicks.

HUGH S. THOMAS

R. F. D. No. 2 GEORGETOWN, KY.

"GOLDEN BUFF"

**ORPINGTONS**

SINGLE COMB BUFF

I have two matings of extra "Golden Buffs." Booking orders for eggs now, either pen, at \$3.00 per 15. Send for leaflet.

ISAAC H. MORRIS : Yorkville, S. C.



**S. C. WHITE ORPINGTONS**

Eggs, \$2.00 per setting of 15.  
S. C. R. I. REDS—Eggs, \$1.50 per 15. S. C. WHITE LEGHORNS—\$1.50 per 15. Day-old Chicks in R. I. Reds and White Leghorns by the dozen or in one hundred lots. Place order three weeks ahead for chicks. Satisfaction guaranteed.

LUTHER B. HODGES, R. 1, Box 46, Morristown, Tenn.

**Rose Lawn Poultry Farm**

BARRED PLYMOUTH ROCKS of the Royal Blue strain. Stock for sale. Eggs from first pen, \$1.50; second pen, \$1.00. S. C. RED eggs at \$1.50 for 15. INDIAN RUNNER DUCK eggs, \$2.00 for 15.

L. B. HOWERY, Russellville, Tenn.

**MRS. G. M. TENANT**

Breeder of S. C. R. I. REDS, eggs from prize winners, \$3.00 per 15; S. C. WHITE ORPINGTONS, Kellerstrass' strain, eggs \$5.00 per 15; INDIAN RUNNER DUCKS, eggs \$2.00 per 13. Member Alabama Poultry Association.

BIRMINGHAM :: ALA.

**White Plymouth ROCKS**

BEST STRAINS

My stock not exhibited, and will sell eggs for sitting this season at \$1.50 per fifteen, straight.

J. G. ROBBINS, Mayfield, Ky

"A WINNING HAND"

**S. C. BUFF LEGHORNS and S. C. RHODE ISLAND REDS**

The prize-winning, egg-laying kind. None better in America. Eggs, \$1.50 for 15, all pens.

THE RED RANCH, New Market, Ala.  
Dr. Oliver Lipscomb, Proprietor.

**Day-Old CHICKS**

From 10 cents up. White Orpingtons, White Wyandottes, White Rocks, White Leghorns, Barred Rocks and Golden Wyandottes. Send for free circular.

RELIABLE POULTRY FARM  
Route 4 Madisonville, Ohio

**MOTTLED ANCONAS**

First pen at Atlanta (only 1 entry); first pen, first cockerel, 1st pullet, at Chattanooga. Every first at Bowling Green.

**BUFF ORPINGTON DUCKS**

first young duck at Atlanta (1 entry) and four firsts at Chattanooga. All our birds are bred to win. Eggs in season. COPPERAS FALLS FARM, Tullahoma, Tenn.

**S. C. Brown Leghorns  
Columbian Wyandottes**

Prize winners, wonderful layers and beautiful plumage. Stock and eggs, prices reasonable. Send for mating list.

STURTEVANT BROS., Box H, Kushla, Ala.

**S. C. BUFF LEGHORNS**

Won more prizes and specials at Nashville, Knoxville and Atlanta, 1911, than all competitors combined. Write for Mating List and show record.

E. S. LANDESS, Fayetteville, Tenn.

**Twice Told  
Tales**

ing is done for it excepting that the hen is sold when she gets too bad. This is caused by a small mite that gets under the scales of the shank. There are a number of remedies but I will give you only a very simple one. Bathe the feet and shanks about twice a week with kerosene until cured which will require only two or three applications for ordinary cases. This malady is overlooked but it is a serious thing. It certainly is very annoying and perhaps painful to the chicken to be infested with these pests until the legs become rough like the bark of a tree.—Poultry Tribune.

**Wonderful American Hen.**

The cackles of the American hens are swelling into a mighty chorus. Sixteen billion times a year these small citizens announce the arrival of a "fresh laid," and the sound of their bragging is waxing loud in the land. According to the last census, there are 233,598,005 chickens of laying age in the United States. These are valued at \$70,000,000, and the eggs they lay, would if divided, allow two hundred and three eggs annually to every person,—man, woman and child,—in the United States. The value of all the fowls, \$85,800,000, would entitle every person in the country to \$1.12 if they were sold and the proceeds divided. All the weight of the animal products exported, the pork, beef, tallow, ham, bacon and sausage, weigh 846,860 tons, while the weight of the eggs laid yearly tips the scales at the amazing total of 970,363 tons.—Technical World.

Farmers have an idea that corn will make eggs, and for proof, point to the fact that their hens get nothing else, but they forget to note that their stock is allowed perfect freedom, that they gather much in their foraging trips—worms, bugs, grass, wheat, oats and what not are found on the daily trips of the feathered tribe. So it is not the corn, but the variety of other food the hens collect that makes eggs and the former gets the credit. The cheapest egg food, then, is that which gives the

**S. C. R. I. REDS  
and BARRED ROCKS**

Best stock, strong, vigorous, farm-raised.  
Eggs, \$1.50 per 15.

A. S. BELL, Route 13, Knoxville, Tenn.

**PRIZE WINNERS**

They have won and will win again.

BUFF P. ROCKS BUFF COCHINS  
BARRED PLYMOUTH ROCKS

Your business solicited. Write me your wants.

J. J. THOMPSON Morristown, Tenn.

**S. C. R. I. REDS**

(LANGFORD FOUNDATION STOCK)

Started early and have finished our hatching. Now offer our \$5.00 eggs at \$2.50 for 15, from two select pens, all scored by Judge Fishel, 91% to 93%. Sales limited to 3 sittings to one customer. No utility eggs. Stock all sold.

DONNA LYLE POULTRY FARM, Iuka, Miss.

**EGG LABELS**

Printed same day order is received. Get samples and prices.

S. B. NEWMAN & CO.  
KNOXVILLE, TENN.

**BUFF ORPINGTONS**

My winners are direct from

THE BEST IN THE WORLD

Satisfactory hatches guaranteed. \$2.00, \$3.50 and \$5.00 per setting.

THOS. C. HUTCHESON, Comer, Ga.

**M. B. TURKEYS  
BLACK LANGSHANS**

Winners at Appalachian Exposition, Tennessee State Fair. White Wyandottes, Fishel strain; Barred Plymouth Rocks, Thompson strain; Indian Runner Ducks. Eggs and stock. Write your wants. I guarantee satisfaction.

ONA WATERS  
LEBANON, : TENNESSEE

**BUFF ORPINGTONS**

Young and old stock for sale, correct in size, shape and color. From best imported and American breeders. Eggs in season from many prize winners. At last Louisville, Ky., Poultry Show—all seven specials, all five firsts.

Waycroft Poultry Farm, Box 457, Anchorage, Ky.

**INDIAN RUNNER DUCKS**

Good laying record. First at Greenville exhibit. Thirteen eggs, \$1.00. Special prices on three or more sittings.

ANCHOR DUCK FARM  
J. H. CASS, Prop. AFTON, TENN.  
Shipping Point, Greeneville, Tenn.

**S. C. R. I. REDS**

Did you say RED? Yes; really RED. If you don't believe it, buy some stock or eggs and see.

MISS GERTRUDE PARRISH  
TRENTON, TENN.  
Mention "Hen" when writing.



## Black LANGSHANS OF QUALITY

Send for our Illustrated Catalog. Big Show winners. Eggs guaranteed.

**ELITE POULTRY FARM**

Route 2, Brooklyn Sta. CLEVELAND, OHIO

**Partridge and Columbian Wyandottes, S. C. R. I. Reds and Single Comb Black Minorcas**

**PRIZE WINNERS.**

Eggs that will hatch, \$2.00 and \$5.00. Circular free. C. V. GWIN, Hartsville, Tenn.

## Barred PLYMOUTH ROCKS

**THE BEST—POPE AND POPE STRAIN.**

Eggs \$2.00 and \$3.00 for 15. The male bird that heads my first Pen won First at Morris-town show, December, 1911. INDIAN RUNNER DUCK EGGS, \$1.50 for 15.

**D. M. BUTTS, Morristown, Tennessee**

## LUMLEY'S ORPINGTONS

(WHITE, BLACK, BUFF)

LANGSHANS (BLACK)

PEKIN, I. R. and BUFF ORPINGTON DUCKS

Are winners—101 First Premiums at seven 1911 shows and firsts at State Fair show. Day-old Chicks, Eggs, Breeding Stock for sale. Also Berkshire Hogs, Collie Dogs. Satisfaction guaranteed. HIGHLAND SPRINGS STOCK & POULTRY FARM, W. E. Lumley, Proprietor, TULLAHOMA, TENN.

## WHITE WYANDOTTES

**FISHEL and DUSTON STRAINS**

My stock not exhibited, and will sell eggs for sitting this season at \$1.50 per fifteen, straight.

**J. G. ROBBINS, Mayfield, Ky.**

## Orpingtons

Kellerstrass S. C. CRYSTAL WHITES, the quality kind. The big layers and payers. Stock and eggs. Catalog free.

**DR. R. E. WALSH**

FREDERICKTOWN, MO.

## GAPE-NIT Cures Gape

It's the cure that kills the cause of GAPE—the germ and also the worm. No experiment. A proven cure. 25c, 50c, and \$1.00, postpaid. Our Peerless Cholera Cure is also unequalled. Price, 50c. Get testimonial book.

PEERLESS GAPE-NIT COMPANY, Allentown, Pa.

## THE OLD RELIABLE LAMBERT'S DEATH TO LICE

insures Clean Fowls and makes hen's Profitable. Just the thing for sitters. Has been used by successful Poultry Keepers OVER 25 YEARS. Sold everywhere. Large sample of Powder or Ointment, 10c each. A "Sensible System of Poultry Keeping" by D. J. Lambert, free. O. K. STOCK FOOD COMPANY, 438 Traders Bldg., Chicago, Illinois.

## M. B. TURKEYS, BARRED ROCKS, WHITE ORPINGTONS, BUTTERCUPS

My Turkeys are of the Shofner strain and have proven their merits. My Rocks are of the E. B. Thompson strain—none better. I have Kellerstrass strain White Orpingtons. Cockerels for sale. No better Buttercups can be found anywhere. Stock for sale. Eggs in season. Write for prices, MISS NETTIE DAVIS, Loudon, Tenn.



## Twice Told Tales

most eggs; such a quantity of food, too, as will be well digested and assimilated.—Southern Poultry Magazine.

When Mark Twain was editor of a Missouri paper, a subscriber wrote to him saying that he had found a spider in his paper, and asking him whether that was a sign of good luck or bad.

This was Twain's answer: "Finding a spider in your paper was neither good luck nor bad luck for you. The spider was merely looking over our paper to see which merchant is not advertising, so that he can go to that store, spin his web across the door and lead a life of undisturbed peace ever afterward."

To keep down head lice grease the hen's head and under their wings when taken off the nest at hatching time and the chicks' heads and under their throats when they are one week old and once each week until they are six or eight weeks old. Use pure lard. Melt the lard and keep it in a vessel placed in a larger vessel of warm water while applying it to the heads.—Inland Poultry Journal.

The department of Agriculture advises cresol, carbolic acid or any of the well-advertised coal-tar dips as the best materials to use in spraying the hen houses. Commercial cresol is a coal-tar product and may be obtained from the druggist at about thirty cents a pound. Care should be taken not to get any of it upon the face or hands, as it will cause intense smarting.—Coleman's Rural World.

When removing chicks from the incubator, inspect them carefully and weed out all the weaklings, place only those in the brooders that are lusty, strong and bright eyed and you will have less occasion to look under the hovers for dead ones, when making your regular morning rounds.—American Poultry World.

Grit ad shells are cheap, and they should be where poultry can get at them at all times.



## HOUDANS

Southern bred. My birds took first at Alabama State Fair, also Birmingham Winter Show. Eggs for hatching for sale. Fertility guaranteed.

**W. J. ROOT, Ensley, Ala.**

## The SOUTHERN PLANTER

**The South's Oldest, Largest and Best Farm Magazine**

and THE INDUSTRIOUS HEN, both one year for 50 cents.

**INDUSTRIOUS HEN CO., Knoxville, Tenn.**

## Crystal White Orpingtons

**KELLERSTRASS STRAIN**

First Pen contains birds from Kellerstrass' \$30 mating, headed by the fourth prize cock at the Southern International Poultry Show, Atlanta. My birds were considered by Judge Pierce to be the best hens on exhibition. GLENWOOD POULTRY FARM, Mrs. G. T. Brown, Mgr., Grovania, Ga.

## S. C. W. LEGHORNS

**DAY-OLD CHICKS**

**EGGS FOR HATCHING**

The Stock that Lays is the kind that Pays.

**TOWN POINT POULTRY FARM**

CALIFORNIA - - - MARYLAND

## BARRED PLYMOUTH ROCKS

(LATHAM AND HOLTERMAN STRAINS)

Both matings. Stock and eggs for sale. Write for mating list.

**J. R. TANNER, Chattanooga, Tenn.**

1304 S. Willow St. Highland Park Station

## S. C. BUFF ORPINGTONS

Thoroughbred show birds—none better. Ten years a breeder. Fine winter layers. Eggs from six pens, \$1.00 to \$6.00 per 15. Satisfaction guaranteed. Eggs from all six pens mixed, \$2.00 per 15. Address

**THE IDEAL POULTRY PLANT, Tullahoma, Tenn.**

### EATON'S FAMOUS POULTRY FOODS

Eaton's Life Saver Little Chick Food  
Eaton's Growing Ration  
Eaton's Climax Grain Mixture  
Eaton's Perfection Mash Mixture  
Eaton's High Grade Pigeon Food  
The Peerless Self-Feeding Dry Food Hopper  
R. D. EATON GRAIN & FEED CO.  
Dept. E. Norwich, N. Y.

## RED CUBAN GAME

**Greatest Layers—Heavy Weighers**

**Guaranteed Dead Game**

A limited number of settings from two superb matings for sale.

**L. L. POATS**

**Rogersville, Tenn.**

**Send for our special summer advertising rates for space in these pages.**



# "Kellerstrass" White Orpingtons

ARE THE BIGGEST PAYERS BECAUSE  
THEY HAVE PROVEN TO BE

## The Biggest Winter Layers

KELLERSTRASS STRAIN

## "Crystal" White Orpingtons

Are the GRANDEST UTILITY birds on record today, and as to their FANCY QUALITY they won first at Madison Square, New York, 1905, 1906, 1907, 1908; also at Crystal Palace, London, England, and Chicago and Boston. If you need some birds to IMPROVE YOUR STOCK or for the SHOW ROOM write us. We have them, and the KIND THAT WINS, as our past record shows. STOCK for sale at all times. Remember, we are the ORIGINATORS of "CRYSTAL" White Orpingtons, and breed only the one kind. We devote our whole time to this one breed.

## Kellerstrass Poultry Farm

Originator of Crystal White Orpingtons

Westport Road 9146, KANSAS CITY, MO.

SEND FOR OUR CATALOGUE.



## STOP! LOOK! LISTEN! PARTRIDGE WYANDOTTES, the Best in South

I am the only breeder in the South and the second in the United States to win over American, Asiatic and English classes. My birds have never failed to win first where shown. At Asheville, N. C., December, 1910, I won silver cup for the highest scoring cock in show, all classes competing. At Appalachian Exposition I won 1st and 3d pullet, 1st and 3d cockerel, 2d and 3d hen. At Morristown, Tenn., Dec., 1911, in a very large class, I won 1st, 2d and 3d pullet, 1st, 2d and 3d cockerel, 1st and 2d hen, 2d cock and 1st pen. At Asheville, N. C., Dec., 1911, in a class of 103, I won 1st and 4th pullet, 1st hen, 1st cockerel, 1st pen and silver cup for the best hen in the show. Other winnings too numerous to mention. A few nice cockerels for sale for quick buyers. Eggs from above pens, \$3.00 for 15 eggs. Director in National Part. Wyandotte Club. Reference, Unaka Nat. Bank.

R. A. SWADLEY : : : Johnson City, Tenn.



## DOBBS' PERFECTION S. C. RHODE ISLAND REDS

Win at Appalachian Exposition, Knoxville, Tenn., Georgia State Fair, Macon, Ga., Augusta and Atlanta, Ga., Little Rock, Ark., and Tupelo, Miss., a grand total of Sixteen First, Nine Second, Eleven Third, Nine Fourth and Three Fifth Prizes—two more First Prizes than all my competitors combined—and at these shows I met in competition with the big Red breeders, who advertise "Best Reds in the World," that their Reds "Lead the World," etc., breeders who have won at such noted shows as Madison Square Garden, Grand Central Palace, Boston and other noted shows. I entered my Reds at shows where I expected to meet the leading Red breeders and did meet them, and for my Reds to come out with Sixteen First Prizes, two more firsts than all competitors combined in six shows, in four States and under six different judges, was A GRAND WINNING FOR SUPREMACY AND CHAMPIONSHIP; and in these six shows my Reds won Three Sweepstakes out of a possible five for Best Cock in the Show, all varieties competing. My Reds won every Shape Special offered on male in these six shows; R. I. Red Club cup at Knoxville, Tenn., for best Red cock, hen, cockerel, pullet and pen in show, with numbers of other shape and color specials; A. P. A. Medal for best Red cockerel, and seven silver cups at these shows; and Grand Sweepstakes for Best Cockerel in the show over all varieties at Augusta, Ga. Note winnings of other breeders when in competition with my Reds.

Send for Mating List and be among the winners in S. C. Rhode Island Reds at your next show by buying eggs now. Am booking orders for exhibition birds to be conditioned and delivered later. EGGS—\$3.00, \$5.00, \$10.00 and \$15.00. Have about 200 head of stock to go at \$2.50, \$5.00 and \$10.00; worth twice these prices, but need the room. Every bird guaranteed to please or your money back.

CHARLEY DOBBS : : : Gainesville, Georgia

P. S.—See my White Orpington advertisement in this issue.



# MECKLENBURG WHITE WYANDOTTES

## Independence Strain

---

### Prince Perfector

Headed by first cockerel of First Pen, Ashboro, N. C., 1911 Poultry Show, and four fine pullets out of second pen at Hickory, N. C., 1911 Fair.

### White Feather

Headed by First Cockerel at Hickory, N. C., 1911 Poultry Show, and six pullets. Mated especially for prize winners.

### Perfector's Son

This fine Cockerel is mated to eight hens that are almost perfect in all points. They have perfect combs, long backs with cushion and correct number of feathers on each side of tail. This mating should produce prize winners in the hottest kind of competition.

### Independence

This Cockerel was Fifth at Boston, Mass., 1910 Poultry Show. Is mated to eight fine pullets. Can not fail to produce birds that will win in any poultry show in the South.

---

Eggs from any pen, \$5.00 per setting of 15.

Money Order must accompany order for eggs.

# Mecklenburg Wyandotte Farms

L. L. ROBISON, Mgr., R. F. D. 1, CHARLOTTE, N. C.



# White PLYMOUTH ROCKS

Have been gaining in popularity so fast in the past few years until today they are without a doubt the most popular fowl bred. The cause for their popularity is their Great Egg-Producing Ability. No variety of fowls has been bred in line for fifteen years for egg production as have

## U. R. Fishel's WHITE PLYMOUTH ROCKS

We have made egg production one of the main points, but have not lost sight of Standard requirements, therefore our birds have won the leading prizes at

### Twenty-two of the Largest Shows Five Expositions

proving to the world their superiority over all other White Rocks and upholding our claim to "THE BEST IN THE WORLD," which is conceded by every one. Remember our birds are Farm Reared, Strong, Vigorous birds, and we breed but one variety. If you want a bird to head your breeding pen this season, we can supply you with one that will stamp that Fishel quality on your birds and that will give your chicks strength, making them easy to rear. **SELECTED BREEDERS** in any number. **UTILITY FOWLS**—regular **EGG MACHINES**—in flocks to suit all. Don't buy until you see my catalog, the best ever issued. Send 25c for it.

**BABY CHICKS**—From best Eggs, \$1.50; From Sale Stock, \$25.00 per One Hundred

**EGGS FOR HATCHING**—\$10 per Fifteen. Sale Stock Eggs, \$10 per One Hundred

**U. R. FISHEL, Box H, HOPE, INDIANA**

# WHITE WYANDOTTES

## THE SNOW DRIFT STRAIN

**R**EMEMBER that I am the originator of this famous strain of WHITE WYANDOTTES. This strain has proven itself in many of the leading shows. I have ten grand pens mated this season of some of the best WHITE WYANDOTTES in this country. My WHITE WYANDOTTES won in seven shows, twenty-eight first prizes out of a possible thirty-five; twenty-six second prizes; five thirds, five fourths and three fifths. I have also added to my great strain the entire flock of WHITE WYANDOTTES of the Buckeye Poultry Farm, of Cincinnati, Ohio. This includes their good will, all their winners, ribbons, etc. If you want Blue Ribbon Winners, breeders that will produce winners, or eggs, I can furnish you and guarantee satisfaction. Write for Mating List.

## C. A. BESUDEN

**R. R. No. 2, Box 49 : SHARONVILLE, O.**





## WM. COOK & SONS ORIGINATORS

OF ALL THE ORPINGTONS Established 1873

BOX H, SCOTCH PLAINS, N. J.

It is NATURAL that we should be recognized HEADQUARTERS for the BEST ORPINGTONS, all varieties, being their ORIGINATORS. This is why we are able to mate our birds to produce better stock than other breeders. When purchasing eggs from us you get the benefit of this knowledge. We have won over Thirteen thousand first prizes, and a visit to our plant, where you are cordially invited (trains met), will be still more convincing that the BEST ORPINGTONS in the world are owned by their ORIGINATORS.

Several thousand stock birds always for sale, IMPORTED or HOME BRED. WE GUARANTEE safe delivery and SATISFACTION, backed by a reputation of 39 years standing. We have given satisfaction to two generations, we can to you. This should mean much to you. SEND 10c for ILLUSTRATED CATALOGUE, with history of the ORIGINATION of all the Orpingtons and hints on poultry keeping. Mating List ready.

### EGGS FROM OUR WINNERS

and the FINEST ORPINGTONS in the world, \$20.00 a setting, three settings for \$50.00. These would give you a fine start in the poultry business. We can supply eggs from unrelated pens so that you can mate the progeny. WHY PAY MORE? Eggs from fine stock at \$10.00 a setting. Liberal guarantee with all egg orders. We believe three quarters of the first prize winners of this country are hatched from our best eggs or sold by us.

It adds PRESTIGE to your stock and MONEY to your BANK ACCOUNT if you can advertise "COOK STRAIN" ORPINGTONS. People will then realize you have the best, and you will be eligible to compete for our fifty \$50.00 Cups, which we expect to give to "Cook Strain" advertisers, during the coming season. We give these cups to show that we take an interest in our customers after we get their orders.

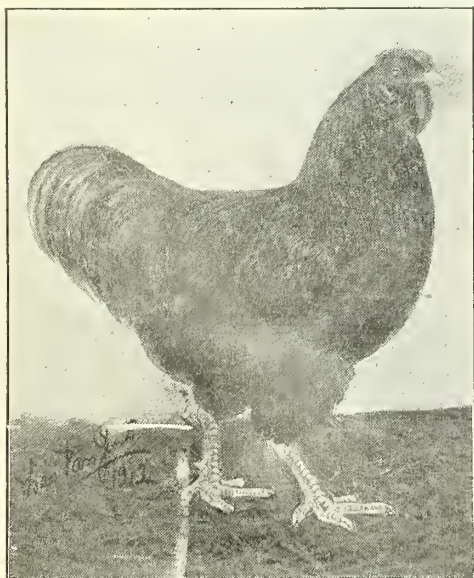
EVENTUALLY, if after the BEST ORPINGTONS, any variety, you will send to their ORIGINATORS, WHY NOT NOW? and avoid loss and disappointment. Advice free. We did not exhibit for competition during the past season.

# Langford's Rhode Island Reds

The Only Breeder South to Win at Madison Square Garden, Grand Central Palace, New York and Boston.

Their winnings at the Jamestown Exposition, Louisville, Nashville, Memphis, the Great Tennessee State Fair, Knoxville, Charleston, Atlanta, Fort Worth, have never been approached. See what Judges Theo. Hewes and W. C. Denny say about the quality of my Reds. I have never before possessed birds of such remarkable quality to put into my matings. They are fully 50 per cent better than ever before. Yards mated and eggs for sale. One pen of Rose Comb Reds, pure "Sensation" stock, the best in Rose Comb. Every bird a high-class show bird. A few sittings for sale from this pen. Send for new Illustrated Catalogue.

FRANK LANGFORD, : R. R. 10, Nashville, Tenn.



## "HOME OF GOOD REDS"

SINGLE AND ROSE COMBS

### EGGS FOR HATCHING

My pens are stronger and better than ever. Headed by such grand sires as "Blue Grass," first cock and winner of \$50.00 Trophy Cup for Best Bird in Show, at the great Kentucky State Show, Louisville, and the first Cockerel at the strong Pittsburg, Pa., show. In my pens are such females as "Blue Girl," first hen and A. P. A. Cup best hen in show at Richmond; also my first hen, Louisville, Ky., the Shape Sensation of the show.

MY NEW ILLUSTRATED CATALOGUE

Now ready to mail and it is free for the asking. It tells about the farm, the grand winnings made by these wonder Reds and full details as to my Matings for 1912. Get your chicks out early.

I GUARANTEE EVERYTHING AS REPRESENTED

Few more head of stock for sale only. Now is the time to order your eggs. You will want some birds to win in your show next year and it's the early order that arrives when you want it.

F. H. GORDON, Box 1, Lexington, Ky.



# THE INDUSTRIOUS HEN

Vol. 8

Knoxville, Tenn., April, 1912

(Whole No. 95) No. 11

## Care of The Profitable Hen--Duck Raising

By E. G. WARDIN, Charlotte, North Carolina



SO MANY farmers and non-farmers dabble in hens. So many have such severe attacks of "hen fever" every spring that it does seem as if the market would be flooded with chicken roasts in autumn and eggs the following winter. And yet it never is. There are too many "absolutely necessary" things overlooked by those would-be egg farmers. Too many people being ignorant, leave off ignorant and end in dead failures.

No hen is a success that does not yield her owner \$1.00 per year. A first-class ordinary hen, blooded, but not fancy, should show \$1.25 to her credit the first year. And she will do it under conditions, and these conditions to be followed in season and out, are embodied in the following six rules:

First—good, healthy, pure-blooded stock. Second—constant, unvarying care, summer and winter. Third—a variety of clean, egg-producing food. Fourth—clean water always on hand. Fifth—clean houses and yards. Sixth—grit, oyster shells, and charcoal if confined.

Pure bred stock is not a necessity in itself, nor for one year alone. Excellent results may be obtained from crossing a pure blood and a mongrel or of two thoroughbreds. But the next year deterioration begins and the fowls especially grow scrubby and poor. In fact, you will soon get scrubs and eventually run-out stock. Nearly any fowl will do well if properly cared for. We do not advocate fine feathers alone. The general utility fowl is the one for the farmer and any quick maturing bird from a good laying strain is the one we want. This good laying strain is of the greatest importance, for it is the egg yield that tells. The poultry is a helpful adjunct, but it is the constant stream of eggs that is the money getter. The profitable hen is the pullet that begins to lay before cold weather.

It is well to separate the pullets or at least the older ones from the rest about the first of September and begin special feeding. Few hens thrive or lay well on an entire corn or over-fattening diet. There must be a balanced ration, and the following bill of fare, with slight changes, has given us satisfactory results for several years.

In the morning all mash is fed that the fowls will clean up in five minutes. This made from a three part meal, composed of corn meal, wheat bran and oat meal. About one-third part of boiled potatoes (or less) is added and all stirred to a crumbly mass. Every other morning a measure of meat meal is added, for even in summer hens in confinement (yarded) do not get enough animal food. This mash is fed in long, narrow troughs, easily cleaned and convenient. At noon, feed whole oats of the best quality and the night feed is wheat five parts to two parts of corn.

To the mash meat meal or beef scrap is added the year around, but the ideal food is green cut bone. Hens will double the winter egg yield when this is fed. Green cut bone can be handled and used very well in cold weather, but is not so convenient for summer use for the reason that it becomes spoiled very quickly, and it is then very dangerous to feed to the hens.

**DUCK RAISING.**—Every farm should have at least a few ducks. They are easily reared, require only a small

amount of food, and always make delicious eating or profitable sellers. Ducklings pip the shell in about 28 days, and emerge on the twenty-ninth. It is usually well not to disturb the mother for a day after the ducklings are hatched, as they are very tender during the first few hours of their life and are easily chilled or crushed. On the thirtieth day remove the ducks to a warm, dry coop, and feed them a bran and cornmeal mash with a little fine grit or sand added. See also that they are provided with plenty of water in a shallow dish, but so arranged that



"RUSSELL CAVE" POULTRY YARDS  
LOUIS LEE HAGGIN Prop.  
WHITE ORPINGTONS  
LEXINGTON, KY.

they can not wet themselves, for cold and dampness are fatal to them. We raise all our ducks by hand for if allowed to run with a duck or hen, the parent bird will travel too fast and far for them, and they will drop by the wayside. Have a pen adjoining the coop to allow them to exercise in. Feed them always in this pen and not in the coop. Have the coop bedded with dry litter, and keep them in this coop at night and on all wet days. At the end of six weeks they will be large enough to be turned out and roam at will, but should always be housed at night until they are fully grown.



# Modern Business Methods For Poultrymen

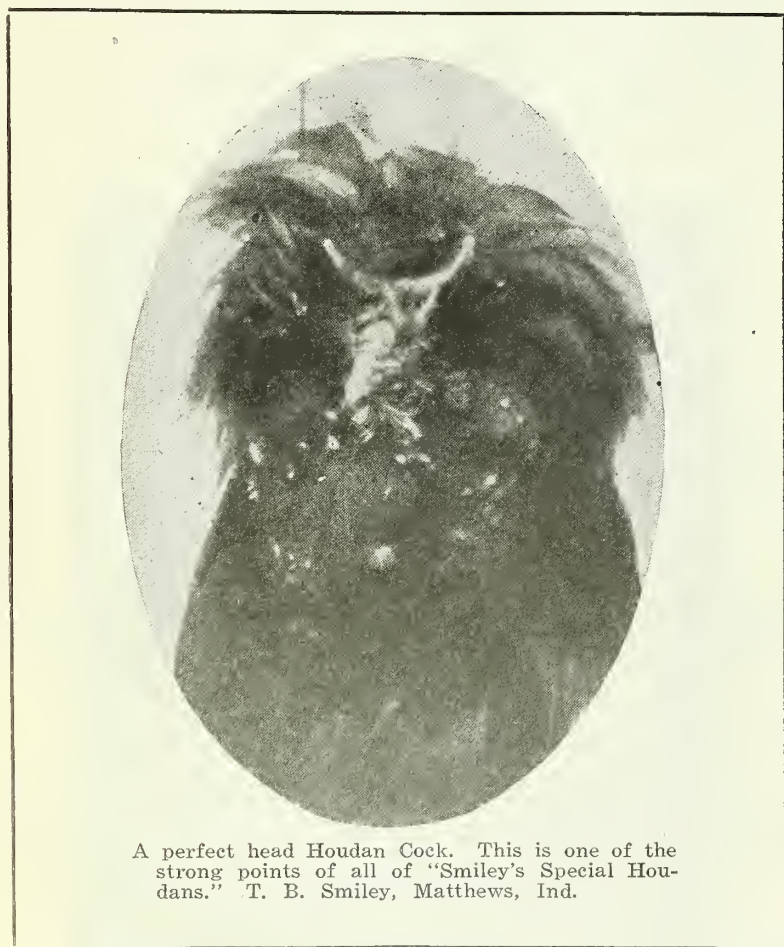
By PERCY H. WHITING, Atlanta, Georgia



IN THE poultry business the trouble is that there is too much poultry and too little business. This remark is made with no idea of being flippant. It is our hope that we can bring home to the poultrymen of the South the fact that a lot of things about the poultry business are all wrong and that in these days of scientific methods we are raising poultry by methods that are but small improvement over those of a hundred years ago.

The subject is so tremendously big that we hardly know where to begin. And lest somebody fear that we are going to offer a solution we hereby disclaim any such intention. We hope to suggest some matters worth experimenting with and to point out how improvements may be made in the business end of the industry.

The fact that there is a scientific, as opposed to a "rule of thumb" method of doing work has been jolted



A perfect head Houdan Cock. This is one of the strong points of all of "Smiley's Special Houdans." T. B. Smiley, Matthews, Ind.

into the sensibilities of the American people. Louis Brandeis startled the world when he said that if the railroads of the country would adopt scientific management they would save a million dollars a day.

We don't expect to startle anybody with this, but it is nevertheless true that if the poultrymen of America would adopt scientific methods of raising chickens they would save at least a half million dollars a day.

Think it over. One hundred and fifty million dollars saved each year would be a pretty presentable sum. We don't hope to prove this assertion, but to those who are studying scientific methods in various business and industrial lines and who know what savings have been affected will admit that these figures are reasonable.

"Bosh and Nonsense," the old fogies will say. Folks have been raising chickens for thousands of years. Surely their methods can not be far wrong.

Folks said much the same thing when Frederick Taylor, who perfected the Science of Management, said that he could train workmen who were loading pig-iron on cars so that they could load four times as much as the average experienced loader and do it without strain. Yes he did it; increasing the loading capacity of every man

from 12½ tons a day to 47½ tons and keeping it at the high figure.

Folks said the same thing when Frank B. Gilbreth agreed to virtually triple the speed of brick masons. Now brick laying has been a trade since early biblical times and has certainly been practiced for three thousand years, so it might be presumed that the workmen of today would have perfected a method that would nearly approximate the maximum limit of speed. Yet so faulty was the old rule-of-thumb method and so much superior the scientific method that under the Gilbreth scheme a man who was laying 120 bricks an hour was able to increase his speed, without noticable extra exertion, to 350 bricks an hour.

These are only two simple illustrations of what has been accomplished by adopting scientific methods in various sorts of work.

The Science of Management is simple enough in its basic principles so that it can be reduced to a few simple rules, by which improvements can be accomplished in any sort of work in which a number of men repeat the same motions over and over.

In the business world the recent improvements in scientific ways of doing things has been almost equally marked. The methods can't be reduced to a few simple rules as in the Science of Management, but efficiency is accomplished in much the same way. Every element of a business is studied separately. Every lost motion is eliminated. Every waste of material is done away with. And perhaps most important of all a strict itemized accounting is kept, not of mere expenditures and receipts; but a searching sort that enables the man at the head of the business to know whether each penny expended is doing its fair share toward bringing in profits.

Dull, dry and uninteresting reading you say, and with no bearing on the poultry industry! Well, quite possibly the former, but certainly not the latter.

You, as an average poultryman, are not able to apply the Science of Management to your plant. There are probably not a half dozen plants in the United States where it could be adopted because it is of little use in other than monster plants.

What we need, however, are standard methods, standard breeds, standard equipments, and standard and efficient business methods. These standards must be worked out for us by the poultry colleges and the experiment stations and then turned over to us for our use.

What do I mean by all this? Well, for instance, I mean that we have too many breeds of chickens. Except for the fanciers the poultry breeders in America are raising fowls with but few purposes in view. Some want eggs. Some are raising poultry for the meat. Some find general utility fowls of greatest value.

But do you, or I, or anybody know which fowls are best adapted for these various purposes? We do not. We may have a suspicion, but we have only the poorest of scientific knowledge on the subject. Yet some one breed of fowls is best. I say that there should be experiments conducted in a highly scientific manner to prove to us which one is best.

Take the matter of general utility fowls. Which has the advantage—the Reds, the Rocks, the Wyandottes? You may say you know, but DO YOU KNOW? You do not, because no scientific experiments have been made to prove it. We shall never have scientific poultry raising until we know exactly which breed will give us the greatest number of eggs and the greatest amount of meat for a given expenditure of grain, grit and exertion.

"What's the difference?" you will ask. "They are virtually the same." But suppose, for example, that you could raise a Rock up through its first laying season, make it produce on an average as many eggs and have it weigh as much when it is ready for market on two pounds less grain than a Red. That wouldn't mean much to you or to me, maybe. But multiply that two pounds of grain by the number of utility fowls raised in America and then multiply that by the price of two pounds of grain and you get a saving of hundreds of thousands of dollars a year, of millions every ten years.

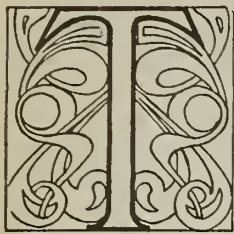
You can put these down as facts: (1) Some one or

(Continued on page 457.)



# Growing The Baby Chicks on The Farm

By J. A. DINWIDDIE, New Market, Tennessee



THE problem of hatching and rearing the chicks is the poultryman and farmer's most serious problem. It combines the problem of breeding, the problem of hatching, and the problem of feeding and housing. I think if the breeders of the past had given more attention to these facts, we of the present would find the problems of poultry culture in all of its phases, decidedly easier.

Breeding from inferior stock, stock not properly mated, stock weak in vitality, in-bred stock, cross-bred stock, and

the desired growth that takes place in the natural development of the chick's growing life. In order to promote the best growth of the chicks, they should be supplied with such food rations as will furnish the nutriment for growing flesh, nerves, bones, feathers, etc., in the right proportions. If the ration does not meet this demand in the growing chick, it not only fails to make the proper growth, but invites digestive disorder.

It is a mistaken kindness in the attendant to feed the little chick too soon. The chick should not have any food for at least 36 to 48 hours after hatching. Any properly hatched chick has, during his last days of incubation, enclosed within its abdomen enough egg yolk to last for several hours, and it is a mistake to feed too soon, and a worse mistake then to feed an improper food; one that does not conform to the natural food which the chick has been living on during incubation.

Protecting the chick from its natural enemies, and such accidents as will occur in the life of a little chick in its babyhood, is up to the attendant or poultryman again. To aid our birds to develop right and properly, we must study the enemies that prey on the lives of our chicks, such as lice, mites, gapes, diarrhoea, overcrowding by old stock, hawks, crows, rats, and numerous other parasites, diseases and enemies. Prevention is by all means the best remedy for all diseases, and it behooves the attendant to acquaint himself with all these things so as to give the chick quick relief and attention. Remember our future success depends upon the proper development of these chicks from shell to maturity. It is no hit-or-miss proposition, and the sooner the breeders of poultry see and acknowledge these things as natural facts, the sooner we are going to realize more and better profits from poultry raising. Too many chicks die in the shell; too many in the first ten days of life; too many fail to develop to maturity and make profitable birds—all because of ignorance. It is not the chick's fault; and, I repeat, if we are to keep pace with other live stock industries, we must learn more of the natural principles of poultry culture. To do this requires knowledge, and knowledge is power.

For next month, I will take up the proper feeds for little chicks up to maturity—not as the best methods, perhaps, but what I have learned from experience and science.

## What Breed or Strain Shall I Select?

**A** GAIN and again comes the question, "What Breed shall I Select?" Whether it be eggs, meat, fancy exhibition quality, the point that puzzles the poultryman, especially the amateur, is that of breed. Really, it makes but little difference as to the breed because it is the strain or family that is important.

The Leghorns and other Mediterranean breeds are noted for their egg production, the Asiatics are our "beef breeds" and the American varieties are dual purpose fowls for the most part. Notwithstanding these facts the White Leghorns are favorites in some localities for the production of "squab-broilers." They grow meat very fast for the first two months after hatching. Moreover, there are Leghorn hens that do not lay eggs enough to pay their board, to say nothing of yielding a profit. There are flocks of Light Brahmas that are exceptionally good layers of beautiful brown eggs. When it comes to American varieties these birds can be easily bred for excellence in any line of production at the will of the poultry breeder.

The keeper or breeder of fowls, then, may follow his fancy freely in the choice of breed, but should exercise the greatest care in selecting the family which is to furnish the fowls for his foundation stock. Find the flock near by, if possible, and learn what the fowls have actually done in the line of production which you wish to develop. Here's hoping the owner is a straightforward, honest man who will do right by you in business.

Finally, the success of the poultryman in getting the right stock depends upon the selection of the best individual fowls. Having his purpose well defined in his mind (after sufficient study and thinking), selecting the finest fowls obtainable with the funds available, it then becomes a matter of selection, year after year, of the best birds for breeding, of pairing them properly and providing conditions favorable to the poultryman's purpose.—A. A. Brigham, Brookings, S. D.



"GOLDEN ROD," a winning Buff Orpington hen. Grand type and color, with six other hens comprising our best pen. F. B. Crawford, Rahway, N. J.

too often on the farm, the pure "old mongrel bird." I repeat, it is some of these mentioned facts, that make chick growing so difficult today.

Always remember that constitution, prolificness, etc., must be inborn tendencies in parent stock. Lucky, indeed, is the little chick that has this kind of an inheritance. If this be true, all that concerns the life of this chick to grow to be as good as the parent stock, and even better, is environment, food and protection. Growth is only a natural process. First, as heretofore stated, the capacity of growth is limited to constitutional inheritance. Second, environments are fixed conditions under which the chick has to live and grow. Third, the supply of food; and, fourth, protection from its natural enemies and accidents.

From the beginning of a chick's life, even in the embryo stage, the chick is subject to environmental influences; so our success begins, we might say, with the "grand parent stock." But, coming to the present time, we should look well to the hatching conditions of our chicks. Any unfavorable circumstances during incubation tend to destroy the bird's constitution and to diminish its vitality. During the brief period of the growing life of a chick, environment has little power to mend constitution, but to mar it; so from the beginning it pays to look well to the environmental influences.

Food and its relation to growing perfect chicks means a food compounded, fed in such proportions as to produce

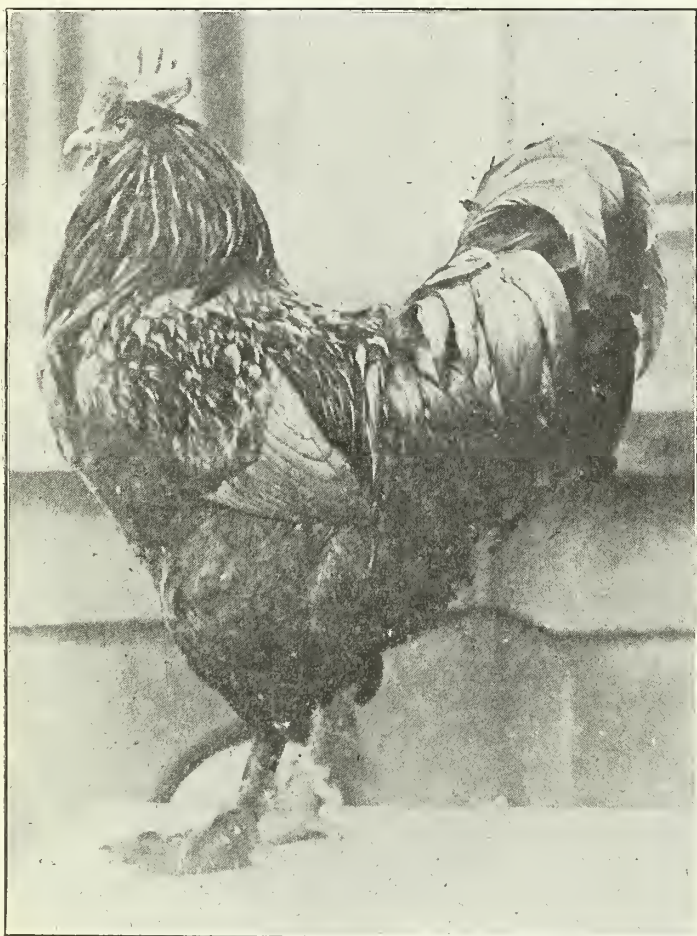


# Hatching and Rearing by Artificial Means

By MRS. H. P. HINTON, Dallas, Texas



THE hatching season of 1912 is now well under way; yet there are not as many chicks hatched or eggs setting as there was at this time last year, and I believe the cause is the high price of feed and the unusually cold winter and spring. My hens are laying well and I am setting and hatching—want to have off five hundred or more by the first of May. I think April one of the best months to hatch chickens in as it is warm and there is less labor caring for the baby chicks and it seems like they grow faster; and mine always catch up with the earlier hatched, and will begin laying just about as early; and I think they make better winter layers, as



"PERFECTION."

This accompanying halftone is contributed by Ben S. Myers, one of the largest and best known breeders of Black Langshans in this country. This cut was taken from a photograph taken at the great Indianapolis show, Jan. 1-7, 1912. This bird was the first prize winner in one of the largest and strongest classes of Langshans ever exhibited in any show this winter, and pronounced by all the most prominent Langshan judges to be the most perfect colored Langshan ever exhibited. This grand bird heads Pen No. 1, one of the six grand breeding pens that Mr. Myers has mated up this season. These pens are made up of birds of very rare quality, and are mated to produce sure winners. Judge Ben S. Myers needs no introduction as a breeder of Langshans. He has devoted 28 years of careful study to these birds and has produced more prize winning show birds than any other breeder of this variety. At the Myers Langshan Home he keeps on hand at all times stock to meet the requirements of his many Langshan customers, and we would suggest if you are in need of new blood to consult Mr. Myers. Winnings at Indianapolis show—1-3-4 cock, 2-3-4 hen, 1-3 cockerel, 3 pullet, 2 pen.

those that are hatched earlier will go through a second moult, and do not make as good winter layers, as it takes all their energy to grow the new feathers.

The incubator should be run until it is under control and in good running order before the eggs are intrusted to it, as incubators can get unruly as well as hens. Place eggs in machine in the morning so they will have all day to get warmed up, and there will be less danger of letting them get too hot or stay too long as the case might be if they were put in at night. If good hatches are expected, don't use eggs over two weeks old and select only the best just like they were being selected to put under a hen.

Always keep lamp clean and wick trimmed. Neglecting this is likely to cause an explosion as it will smoke if not kept clean and choke up from the collection of soot in the flues and pipes.

I am often asked which kind of machine is best for the South. That is a hard question to answer, as most of the machines are good and will hatch well; but some are complicated, and others require more attention than some. Over-heating the eggs is more detrimental to the hatch than when the temperature is run a little low.

I turn my eggs half over once every day and find they hatch just as well as when turned oftener. The main thing is to turn each egg half over once each day. I always take out a row or two and roll the eggs down and replace those removed and all that failed to turn over are turned. I test eggs the tenth day only, as it is of little value to test sooner, as when they are tested sooner a second testing is necessary.

I sprinkle eggs a few times between the 12th and 18th day, unless it is rainy and damp a great deal of the time. When eggs begin to pip do not open machine more than is absolutely necessary, as the inrush of cold air hurts the hatch. After the hatch is completed I take out trays and let chicks remain in machine until the youngest are 24 hours old. They are then ready for the brooder. I prefer to move them late in the afternoon as it then gives them time to get located before they are fed and want to run around.

There are, in my opinion, more chicks overfed than underfed. The newly hatched chick has a splendid appetite, and if he can get to the food, will proceed to stuff himself until he has all kinds of ailments.

When I am ready to feed, I give them water in a fountain they can't get into and get their bodies wet. Next I put some fine grit on a board and give to them, and then mash a hard boiled egg fine, or take stale biscuit and crumble fine, and feed this on the grit, only giving what they will clean up quickly. I find the main secret of raising 90 per cent of the chicks hatched is not letting them get chilled. When a chicken gets thoroughly chilled it is hard to raise. After the first two or three feeds I begin to feed the commercial chick feed in light short litter. The little fellows soon learn to scratch, and the exercise is just what they need for development.

I feed green food of some kind once a day—sprouted oats, lettuce, rape, cabbage, or most anything of the kind is good, and they are like pigs after it.

After they are a week old, they should have meat in some form. I use the commercial stuff. Blood meal mixed with bran or the granulated meat scraps fed alone are good. Cleanliness is a very important factor in successfully raising them, and keep everything well disinfected; crude carbolic acid is good for this. Look out for lice, too, as they may creep in unawares and play havoc with the flock.

—o—

## The Feathering of the Young Stock

UNTIL young turkeys, geese, ducks and chicks are fully feathered, they are more or less liable to cold rains or sudden changes. During the period of feathering they are also weakened in proportion to the rapidity of the growth of feathers. Their bodies are not protected until well covered with sufficient feathers to retain warmth and shed water. A gosling or a duckling, if allowed on a pond of cold water while its body is covered with down instead of feathers, at any season of the year, would soon perish with cold, but after feathers take the place of down they can endure more cold and hardships.

Young poultry that are tender when very young, such as turkeys, Hamburgs and Dorkings, are sooner weakened by lice and rapid growth of feathers than some other kinds, but after passing through this danger period they are harder than those that feather more slowly. In raising young poultry, therefore, give them careful attention until they are fully feathered. Some may require but a short time, and others longer, but after they are feathered they will need only such care as would be required for adults, and will often thrive better if compelled to scratch and work for all they receive.—E. G. Wardin, Charlotte, North Carolina.



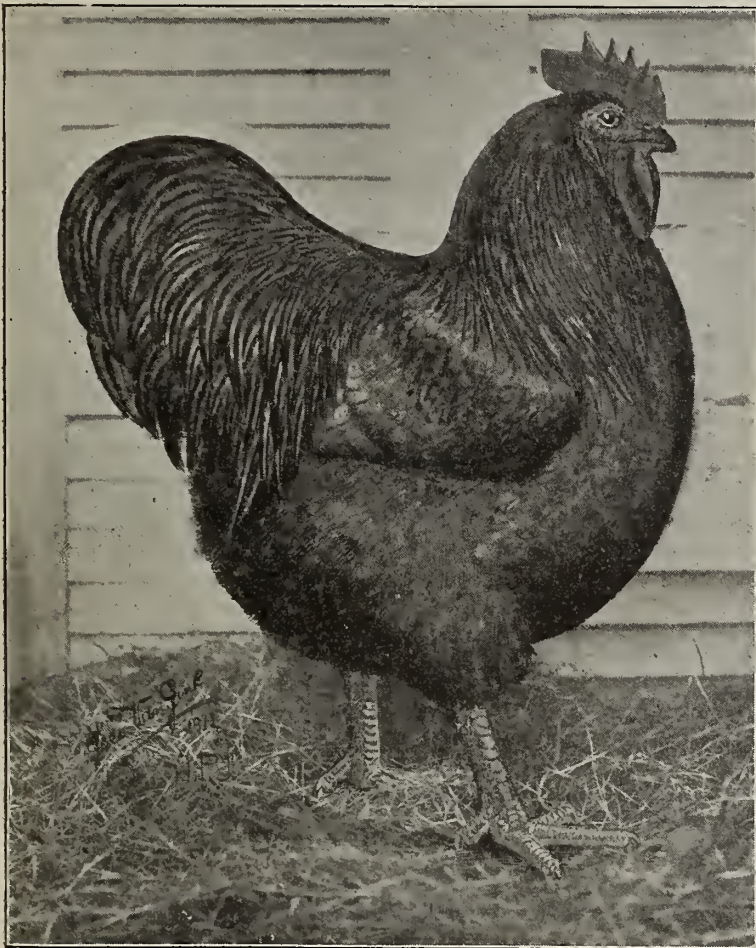
# An Interesting Chapter on Poultry Diseases

By J. A. THORNHILL, Hartselle, Alabama



**W**HAT is "White Diarrhœa;" its cause, effects and treatment? Some writers and most of the State Stations tell us that it is a germ disease. This germ, they tell us, can be carried from the affected hen through the ovaries to the embryo; also, that it is contracted through contamination in several forms. Sufficient proof at hand, clearly allows me to conclude that the disease is more or less a constitutional one, and that the chick will stand the ravages of the disease according to its physical strength. I know that all have their "hobbies" as to what is directly the cause of White Diarrhœa, but in these, are we all right?

Debilitated breeders, poor incubation, feeding methods, etc., all contribute to the weakening of the constitutional strength of the chicks. Especially do we find this true when feed is given too soon, too much heat in the incu-



"SULTAN," a grand Black Orpington male imported direct from England. A winner and sire of winners, mated to eight hens; every bird is a first prize winner. F. B. Crawford, Rahway, N. J.

bator, and in poor brooding for the first two or three days. Too much or too little heat either forces or retards the development of the embryo. Feeding too soon or giving too much for the first few days robs nature of her mission. The female germ becomes attached to the yolk before it leaves the ovaries. After the yolk is matured, it is expelled from the ovaries and is transmitted down the oviduct until it is laid. During this process of nature the yolk is being coated with albumen. The male germ is also connected along this space of travel; just where, I don't know. These germs, after being covered with the shell, lie dormant until heat is applied. After germination commences, these germs subsist wholly on the albumen, until the nineteenth day. But, before this point is reached, there is a large cord made up of minute blood vessels, which grow from every point in the yolk to the digestive tract of the chick, forming what is generally termed the cord running from the blind sock or pouch, or the skin around the yolk to the chick's digestive organs.

I say, again, that the yolk of the egg has practically nothing to do with the forming of the chick. It lies dor-

mant until the nineteenth day, or until the chick is thoroughly matured. About the time the shell is pipped, the yolk is drawn into and constitutes the chick's stomach. If you would kill a chick at this age, you would find that the yolk the same as that found in a fresh egg, with the exception of the minute blood vessels.

In chicks hatched by an incubator where the heat was run too high, you will find the yolk spotted, more or less of a curdled appearance, and lighter in color than that found in a chick hatched by a hen. This being true, makes it a fact that the chick can not absorb the yolk. It lies there until decomposition sets up, which creates fever, weakness, and later on bowel disorder, and what is termed White Diarrhœa. Chicks thus started in life cannot be cured. They can't digest the rotten yolk. How are they to expel it from the system? It simply cannot be gotten out of its position, unless it is cut out. Some chicks will be affected worse than others. Some will die during the first few days; while others will absorb a part of the yolk, and that part which is curdled will remain in the sock or yolk skin, until the inflammation sets in which will terminate in bowel disorder, or what we term White Diarrhœa.

Feeding too soon is against nature. She has provided this solid yolk for the young chick's food until it is strong enough to somewhat shift for itself. By supplying food before the yolk is absorbed, only prevents the process of nature. The food takes the place of the yolk, the system doesn't need it; hence, it lies dormant until decomposition sets in, and White Diarrhœa is the result. Feeding sour food, etc., will not cause diarrhœa after the yolk is absorbed, but will cause bowel disorders.

Chicks hatched in heat kept at 104 or 105 during the incubation will hatch on the nineteenth day. They will be found extra large, the abdomen or stomach very full—the result of too quick development. Such chicks will not mature well. The yolk was kept too warm; the cord or minute blood vessels running from the yolk sock to the digestive organs were paralyzed, which prevents the absorption of the yolk.

I have had proof enough that the non-absorption of the yolk is the direct cause of White Diarrhœa, and that too much heat is the cause, more or less, of the trouble. It is a germ disease, but will not develop in chicks that are from healthy breeders, incubated and fed right, though they may run among chicks that are already affected. Hen-hatched chicks will develop the trouble, but did you ever find it among a hen's chicks who didn't set too close? Airing, in pure air, tends to ward off the disease.

Can White Diarrhœa be cured? In the form here mentioned it cannot; but where the yolk has been rightly absorbed, it can. Seven firms who put up a remedy for the cure of White Diarrhœa, supplied me samples of their remedies for experimental purposes. Some of these I found no value in, while others would check the bowels, but in no case where the yolk wasn't absorbed did I find a cure. I lost 200 chicks from the affects of the trouble, and to my disappointment, I found no cause, only too much heat, feeding before the yolk was absorbed and getting chilled. For a remedy, none was found where the yolk wasn't absorbed.

**C**HICKEN cholera is both epidemic and contagious, and is liable to appear during the hot months in large flocks where there has been a general lack of sanitary precautions. The disease in some cases works slowly, one bird dying after another for a period of several weeks, or it runs its course with great rapidity, decimating the flock in a week or less and then disappears. It is a germ disease, developing most rapidly in damp, hot spells and is often neutralized by mere dry weather.

It also yields readily to spraying houses and yards with disinfectants, such as carbolic, sulphuric and salicylic acids. All sick fowls should be removed as soon as possible from the rest of the flock and given a tonic, such as sulphate of iron and sulphuric acid in small quantities of water. Carbolic acid—one teaspoonful to each gallon of water is also prescribed as a remedy; but unless the birds are especially valuable it is scarcely worth while to attempt a cure, as the disease is almost invariably fatal in the end. Better kill and bury, or better still, burn, as soon as the true nature of the disease has been ascertained.



# A Visit to the Poultrymen of North Carolina

By JAS. B. DISMUKES



ORTH CAROLINA, according to the statistics given out as to the value of poultry on the farm and ranges, ranks fourth among Southern States, being exceeded only by Texas, Tennessee and Virginia, in the order named. And well it might be. Situated as North Carolina is along the Atlantic seaboard, with its cities and towns possessing excellent shipping facilities,

it is but natural that the farmers would give more attention to poultry than ever before. Within the past few years North Carolina has advanced with rapid strides to the forefront in the value and quality of its poultry products. This assertion is backed by recent statistics, which relate that poultry was found on 86 per cent of the farms.

Just before Christmas we had the pleasure of visiting certain sections of North Carolina in the interest of this publication. We visited the yards of several breeders at Asheville, and attended the show at Morganton, and we found everywhere a genuine interest being manifested. One thing we especially noted was the seemingly friendly spirit being manifested between the breeders—even breeders of the same variety. Every breeder speaks of his neighbor with approbation, and his neighbor returns the compliment. This is what it should be, but a little unusual we must say. The various shows pull for each other, and the associations are officered by clean, conscientious officials. There is no bickering in the show room—that is, we didn't observe any—no strife. Everywhere there is absolute harmony; the "knocker" and "beefers" can't be found; there is no place for him. If a fellow gets beat, it's all right. He don't go home to sulk, but comes back stronger at the next show. The word of the judge is the law. Exhibitors from other States can show their birds in

North Carolina with a certainty of getting a "square deal."

It may be said to the credit of North Carolina that no State Branch of the American Poultry Association is better officered than the North Carolina branch. In Mr. J. S. Jeffrey, director of the Agricultural Experiment Station, of West Raleigh, as president; and Mrs. C. B. Campbell, of Asheville, as secretary, this branch possesses two untiring workers, and we understand that the membership has been doubled within the past twelve months. Mrs. Campbell had already proven her worth as an organizer and worker, however, prior to her election as secretary of the Branch. Any woman that can take charge of a poultry association whose credit balance is on the wrong side of the ledger, and, almost unaided, go to work and pull off one of the biggest shows ever held in the South, pay all premiums before the close of the show, and turn over a neat balance to her successor in office, can do almost anything. The success of the Branch is not surprising.

A great deal of the credit for the advanced ideas and methods of poultry culture we found in North Carolina may be laid at the door of Judge R. L. Simmons, of Charlotte, editor of the Southern Poultry Review. Judge Simmons has preached poultry culture all over the State, and our observation of his judging is also above par. We have never seen better work done in any show than that of Judge Simmons at Morganton, which was, by the way, a three days' job. They don't raise anything around Morganton, comparatively speaking, but Orpingtons—that is, that's all they talk about, and every farmer within ten miles, and then some, had 'em in the show. The way Simmons waded into those Orpingtons was a sight to behold. It took him all day to judge this class, but when he finished—well, we wouldn't have changed a single award—it was perfect.

We spent two days at Asheville, and visited the plants

of Mrs. C. B. Campbell, Buff Leghorn specialist, who has won blues and specials all over the South; Paul P. Brown, secretary of the local association, who breeds White Plymouth Rocks and Rhode Island Reds; J. D. Pate, a White Orpington man who showed us a hen so perfect in shape and color that you couldn't have distinguished her from "Peggy;" John A. Pons, who breeds Light Brahmas as big as mules, and who almost knocked us down by marching out for our inspection a cock bird that weighed fifteen pounds; also the yards of H. Taylor Rogers, breeder of Reds; Ralph P. Lee, of the Indian Runner Duck fraternity; J. E. Gudger, whose White Leghorns win anywhere; W. V. Felmet, of Brown Leghorn fame; and Sunny Slope Poultry Yards, who make a specialty of White Orpingtons. We omit mention of a breeder who discourteously would not show us his yards presumably for fear that we would try to sell him some advertising space.

At Morganton we found the show in full blast. And right here let us say a word about this show, for from our observation, we believe it to be one of the best managed shows in the country. First, we wish to commend the association for the prompt payment of premiums—a thing unusual with associations that are not national in scope—the premiums being mailed out to exhibitors immediately after the ribbons went up. In President Davis, Secretary Forney and Superintendent Matthews, the association has a trio of officers that could give pointers on their respective jobs to almost any of

(Continued on page 476.)

*Indianapolis, Ind  
Feb 7, 1912*

We, the undersigned, having carefully handled and inspected the Rose Comb Non-fading Rhode Island Red Hens exhibited by Buschmann-Pierce Red Farms at the Indianapolis Poultry Show, February 5th to 9th, 1912, do hereby affirm that the statement made by the above firm as to the non-fading quality of their Rose Comb Rhode Island Reds is absolutely correct.

Among the birds on exhibition, we found one Hen eight years of age that in color of back wing, neck and breast was as rich in color as any Pullet.

*Ed. Orr London Ont.*

*W. Coleman, Lexington, Ohio*

*D. E. Hale, Quincy, Ills*

*J. H. Brewster, Buffalo, N. Y.*

*J. H. Bourn, Memphis, Mich.*

*B. H. Cranton, Rising Sun, Ind.*

*H. F. Rukhoff, Indianapolis, Ind.*

*O. F. McLeod, Danville, Ill.*

*E. G. Smith, Dawson Grove, Ills*



# The Home of Good Barred Plymouth Rocks

By F. A. GOODLIN, Special Representative



THE purpose of our visit to Locust Grove was to give the reader some idea of the extent and size of the plant, which is located on the Shelbyville Pike, 9½ miles from the Louisville Courthouse. This farm has been known as Locust Grove for years and is not only famous for its grand old walnut and locust trees, but for the magnificent spring which has withstood the severest droughts of a century. Its 65 acres of fertile blue grass land are devoted entirely to Barred Plymouth Rocks.

It takes the necessary buildings and birds to conduct a successful poultry business. It is a simple matter to sit down and write a flaming ad, claiming everything except the earth itself, but to have a successful and well equipped plant with a fine lot of breeding birds is an entirely different thing. Locust Grove is well equipped with modern buildings and conveniences.

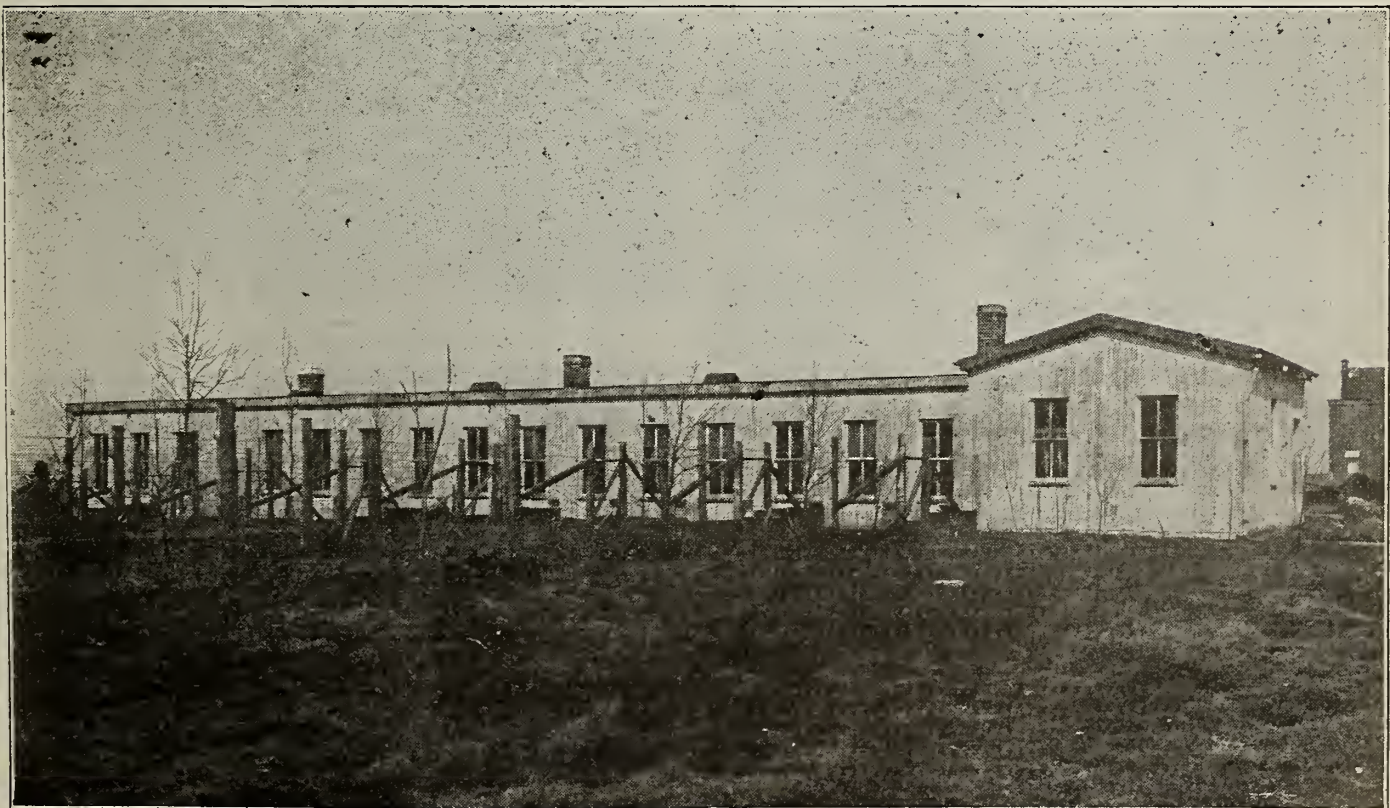
The "premium" and "pedigree" houses are the result and outgrowth of twenty years' actual experience, and they set forth advanced ideas not to be found on any farm in the country at the present day. The "premium" houses are better designed for the care and comfort of the birds than any we have ever seen, and we have visited most of the important farms in this country. Every pen is enclosed by board partitions up to two feet, six inches in height, and wired from there to the ceiling. This plan gives unobstructed light throughout the house. There is a passage-way inside, back of these four pens, with wire doors opening into each pen, having 10x11 feet of floor space. The yards are square and entrance to the eastern and western pens is gained through the holes at the sides. Each house is complete with removable roosts, nest boxes, watering pans, etc., and there is nothing except the four walls and divisional partitions that cannot be removed to the outside for a thorough cleansing. By this unique arrangement, each pen has two full sized windows to the south, with a large square yard on the outside. Most of the young stock is hatched in March, and all of them are out by the middle of April, made possible by the excellent

facilities at hand for hatching, rearing and housing birds.

By hatching most of their stock in March and April and raising young chicks upon unlimited grass range, Pope & Pope are not compelled to resort to the questionable practice of farming out birds to neighbors, and consequently guarantee fully developed birds in the fall and ship cockerels and pullets that are fully fit for service or laying as the case may be. We call particular attention to their brooder house shown herewith, which serves the double purpose of raising all early hatched chicks in the spring and of being winter quarters for the winter months. Here are mated up a sufficient number of fine birds to supply incubator egg orders and especially the early Southern trade which demands hatching eggs at a time of the year when the average breeder cannot supply eggs in any sense fit for hatching. Go where you may, there are few that are better than Locust Grove, and those that have seen what they have will tell you that as a model and successful plant its duplicate is hard to find.

The Plymouth Rock, when correctly and scientifically bred, is a large bird, and apart and aside from the standard requirements there is nothing so important as size and weight. Pope & Pope have been breeding this type exclusively since 1891, and it has been fully demonstrated to them that the demand is greater in this than any other qualification. We quote from the managers of Locust Grove: "To the majority of people, size and vigor are paramount, and in the show we have time and again seen that our large, big Rocks beat the competitor with the small, little stock. So sure are we of giving satisfaction that we sell all birds on approval; that is to say, if for any reason you are not wholly satisfied with the stock shipped, it can be returned within twenty-four hours after its arrival and we will refund the purchase price paid promptly without argument."

It is thoroughly understood among all practical breeders that the best-bred birds not only produce the finest specimens but they are the most prolific layers and nowhere on this farm is the utility side forgotten. For 20 years they have carefully mated their best birds, and have today as fine a lot of breeders as can be found.



Triple purpose house on Locust Grove Farm, belonging to Pope & Pope, Louisville, Ky. Used as a brooder house in the spring, in which they raise about 1,800 young birds until they are six weeks old. The pens are so arranged that when the brooders are removed the dividing partitions fit the sides and back forming breeding pens for their old birds. Each two brooder pens by this plan can be converted in one breeding pen. They also keep sufficient matings in here in winter to supply their Southern egg trade and incubator orders, and reserve the rest as an exhibition house for their show birds. One of the best houses of the kind we have seen for years.—Editor.



# THE INDUSTRIOUS HEN

AND  
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Mr. John A. Murkin, of Nashville, chairman of the committee on invitation, has received many congratulations upon the result of his long and earnest fight for the convention. Mr. Murkin characteristically places the importance of bringing the convention to the South above his personal efforts in the splendid victory achieved, and has given out the following interesting interview:

"This convention will bring to Nashville hundreds of people who have never visited the South, from the North, East and West. The South is destined to become the greatest poultry section of the world, and it is here in the South that every opportunity is offered for poultry culture. The poultry industry is worth to the South untold millions, and our people are awakening to the fact as never before. The coming to Nashville of the American Poultry Association next August will do more good for the poultry industry in this section of the country than anything that has ever occurred, and it is safe to say will lead to the establishment of many important poultry plants, both in this section and other Southern states.

"I am very much pleased to know that Nashville is practically certain of the convention. I have felt all along that we were entitled to it, and have put forth my best efforts to secure what I believe to be the most important convention ever held in this State or the South. This country is producing now something like \$800,000,000 worth of poultry and eggs each year. The South should produce over half of this amount.

"To me alone is not due the credit of securing this convention, for the Nashville Board of Trade, the Industrial Bureau, the Commercial Club, and many of our prominent citizens, among them James M. Frank and E. L. Doak, of Nashville; C. L. Baker, of Memphis, and E. H. DePoy, managing-editor of The Industrious Hen, of Knoxville, have rendered valuable assistance, without which I would have made very little progress.

"The poultry and agricultural press throughout the country have stood by me in the fight almost to a paper. I wish also to mention Capt. T. F. Peck, our commissioner of agriculture and that live wire, J. W. Russwurm, general manager of the Tennessee State Fair, who is ever on the lookout for good things for the city and state, as rendering valuable services in securing this important convention for Nashville."

The Industrious Hen is in hearty sympathy with the movement recently launched in this state looking to the organization of school poultry clubs in Tennessee. The object of these organizations is to promote and develop the poultry industry. Work of this nature has been carried on successfully in the schools of Arkansas during the past year. To the average pupil, especially in the rural school, a course in scientific poultry husbandry is of more real value than the finding of cube roots or the squaring of circles, and we trust that a poultry club will be formed in every school in Tennessee within the next few months.

Mr. Louis Lee Haggin, Lexington, Ky., received a very complimentary vote as a member of the executive committee of the American Poultry Association in the recent nominating election, finishing among the first five on the list. Mr. Haggin is proprietor of Russell Cave Poultry Yards, a Southern business man of splendid ability, and his friends throughout the South would be pleased to see him elected.

Spring had a hard time getting here, but the cackle of the hen and the peep of the little chick have made us happy again, and the Southern poultryman is as busy as a politician on election day.

## Result of A. P. A. Nominating Ballot

**S**OUTHERN members of the American Poultry Association appreciate the splendid vote given the city of Nashville as the 1912 convention city of the Association. With a majority of 284 votes over the combined opposition of five other splendid cities, out of a total of 600 votes cast, Nashville will doubtless be the unanimous choice in the regular election to be held this month.

Mr. O. L. McCord, of Danville, Ill., national election commissioner for the American Poultry Association, has announced the result of the nominating ballot for officers of the Association which closed on March 9. The following statement shows the five candidates for each office receiving the highest number of votes, and the number of votes cast for each nominee for all offices of the Association:

### PRESIDENT.

Reese V. Hicks, Topeka, Kans.....	593
T. F. McGrew, Scranton, Pa.....	111
W. B. Owen, Vineyard Haven, Mass.....	20
Henry Steinmesch, St. Louis, Mo.....	9
Fred L. Kimmey, Morgan Park, Ill.....	8

### FIRST VICE PRESIDENT.

S. J. Hopper, Dallas, Texas.....	190
Jos. Russell, Toronto, Canada.....	129
L. B. Audigier, Knoxville, Tenn.....	53
H. B. Donovan, Toronto, Canada.....	24
C. D. Cleveland, West Orange, N. J.....	22

### SECOND VICE PRESIDENT.

W. C. Cleckley, Augusta, Ga.....	177
L. B. Audigier, Knoxville, Tenn.....	169
C. D. Cleveland, West Orange, N. J.....	18
Rufus Delafield, South Plainfield, N. J.....	14
A. C. Smith, Waltham, Mass.....	6

### SECRETARY.

S. T. Campbell, Mansfield, Ohio.....	707
O. L. McCord, Danville, Ill.....	6
T. E. Quisenberry, Mountain Grove, Mo.....	5
Geo. H. Burgett, Lawton Station, N. Y.....	3
Geo. H. Rudy, Mattoon, Ill.....	2

### EXECUTIVE COMMITTEE.

E. M. Richards, Cedar Rapids, Iowa.....	275
L. C. Byce, Petaluma, Calif.....	188
G. D. Holden, Owatonna, Minn.....	122
C. P. VanWinkle, Dallas, Texas.....	113
L. L. Haggin, Lexington, Ky.....	104
F. M. Perkins, Freeport, Ill.....	86
Geo. H. Rudy, Mattoon, Ill.....	82
R. E. Bruce, New Orleans, La.....	68
C. F. Morgan, Ripley, Miss.....	48



**"Uncle Dudley" With The Constitution**

**M**R. JEHU G. POSTELL, better known as "Uncle Dudley," has accepted the editorship of the poultry department of the Atlanta Constitution, and has assumed the duties of his new position. We congratulate the publishers of the Constitution; it is not often that a man of Mr. Postell's ability is available when needed. The name of "Uncle Dudley" is a household word in almost every Southern home and upon every farm and plant where poultry is raised. He is one of the oldest poultrymen in the South, starting when a boy, in 1856 or '57, with the old Shanghais. He served during the war as a Confederate soldier; upon his return home he again took up the breeding of poultry and has been at it ever since. He has been contributing to the columns of the poultry papers for more than thirty years, and his work in this connection has been of immense value to the poultry interests of the South. Mr. Postell is now president of the Southern International Poultry Association, also of the "Uncle Dudley Boys' and Girl's Poultry Club." In addition to editorial work on the Constitution, he is editor of the poultry department of the Southern Cultivator, associate editor of the Southern Fancier, and a contributor to The Industrious Hen, none of which work will be discontinued.

The friends of "Uncle Dudley," and they are legion, will be especially gratified to know that he is now in position where his splendid abilities will have full swing, and the people of the South will receive the benefit of his experience of almost half a century in practical, progressive poultry culture.—E. H. D.

**"Non-Fading" R. C. Rhode Island Reds**

**E**LSEWHERE in this magazine will be found a statement, signed by a number of competent judges, attesting the non-fading quality of the Rose Comb Rhode Island Reds of Messrs. Buschmann & Pierce, of Indianapolis, Indiana. We are glad this statement has been issued. Personally, we have had no sympathy with the stand taken by the Rhode Island Red Club on this question. At the Tennessee State Fair two years ago, Judge Pierce exhibited to the writer two Rose Comb Red hens—one a yearling and the other four years old—and if one of these hens had an advantage over the other in the question of color, it was in favor of the older one. We do not propose to enter into a controversy with anyone upon this point, but we do believe that if a man chooses to make a hobby of color, if he knows how to do it and mates his birds with that end in view, then we believe a man could produce in Rhode Island Reds the color that "won't come off"—and we further believe Messrs. Buschmann & Pierce have produced this color. Such eminent authority as Judges J. H. Drevenstedt, B. H. Scranton, D. E. Hale, Richard Oke, and others, augmented by the claim of the Messrs. Buschmann & Pierce, that they now have birds in their yards ranging from one to six years of age that have retained the beautiful, rich color of the cockerel and pullet, is sufficient evidence for us, and convinces us beyond peradventure that to argue otherwise might be what is characterized in Holy Writ as "kicking against the pricks."—E. H. D.

I am just in receipt of a communication from Mr. L. B. Audigier, dated Rome, Italy, March 8, in which he states that, in view of the fact that he expects to remain abroad for at least another year, he does not desire his name to be presented to the membership as a candidate for re-election as second vice-president of the American Poultry Association.

Mr. Audigier desires to express lasting gratitude to his many friends in the Association who have so earnestly urged him to make the race again, and to thank all those who have so generously supported him in the past.

I am pleased to assure you also that, although the association is to lose Mr. Audigier in an official capacity, he has promised the poultry press some interesting articles on poultry conditions in foreign fields during the coming year, and his usefulness to the membership will in no sense be diminished.—E. H. DePoy.

The silence in A. P. A. political circles is becoming painful. Plenty of nominations, but "nobody ain't a' kickin' the dawg aroun'." Looks now like some of the offices might have to be delivered on silver platters.

Don't fail to vote for Nashville when you receive your election ballot this month.

**Modern Methods For The Poultryman**

(Continued from page 450.)

two breeds of fowls will produce more eggs a year than any other for a given expenditure of money in keeping them. (2) Some one or two breeds or crosses will produce the greatest amount of desirable meat for a given expenditure of money in keeping them. (3) Some one or two breeds will give us the greatest amount of "utility" for a given expenditure.

We can never find out the most efficient breeds for ourselves. There are too many "variables." Strains are different; feeding methods are different; housing methods are different. Yet it would be possible to conduct experiments that would give us the answer. They would take years and they would cost money, but they would answer a question that would save American poultry breeders millions of dollars a year.

When the art of turning metals was being perfected 50,000 experiments were made and recorded, 800,000 pounds of iron and steel were cut up into chip, \$200,000 was spent and 26 years were consumed. But the resulting laws which were laid down by these experiments save millions of dollars a year.

The determination of the most efficient breeds is only one of the many problems that must be solved.

The matter of feeding is another. Personally we stick by the antiquated wet-mash-in-the-morning method of feeding. We do it because we meet with success and because it has never been scientifically determined that any other method is better.

And yet under any given conditions some one certain method must give the greatest efficiency. "It depends on a lot of things," you will truly say. Surely it does. Yet it must be a scientific fact that under any certain set of conditions—of latitude, altitude, season, breed, temperature and the like—one certain sort of feed, amount of feed and method of feeding will be the best.

Why the mere fact that there are so many thousands of methods of feeding proves in itself that we have no science of poultry breeding and that we are just groping around and waiting for somebody to give us a little light on the subject

For each altitude there must be some certain sort of house that will give the best results. We know that an absolutely air tight house is bad. We know that no house at all is bad. Now, somewhere between no house at all and a tight house there must be a house that will give the greatest efficiency for any certain set of conditions. But has anybody ever conducted any scientific experiments to prove which house is best? If so, we never heard of it.

There is a scientific answer to virtually every question that is presented to the poultryman. For instance, what depth of litter should be used. We know that an inch would be too little, that three feet would be too much. The chickens could get the grain with too little exertion for their own good in the one case, that they would starve to death digging it in the other. But what is the right depth? We have no scientific knowledge on the question. And yet admittedly a series of scientific experiments could be conducted that would tell us to within a few inches just what depth of litter should be maintained to give fowls the right amount of exercise to promote the greatest efficiency.

We will never get the answer to these questions by gathering assorted data. It will take a series of careful experiments. It may take fifty years of time. It may cost a million or two in money. But when the experiments are completed we shall have a science of poultry raising in place of an ill-informed industry.

The United States should have a great national bureau and experiment station, which should direct experiments not only at its own plant but throughout the experiment stations and agricultural colleges of the country. It should be a great, big department, such as would be justified by the importance of the poultry industry. It should be provided with ample money. And it should be headed by a scientist. Until this is done we can hardly hope for the development of a science of poultry breeding and raising. Until this is done there will be too much poultry and too little profit.

The first issue of Everybody's Poultry Journal, published at Nashville, Tenn., has reached our exchange table. The new paper is as neat as a pin, and would do credit to publishers of larger experience. Everybody's was launched by Mr. J. L. LeSeuer and Mr. W. W. Evans, both practical poultrymen.



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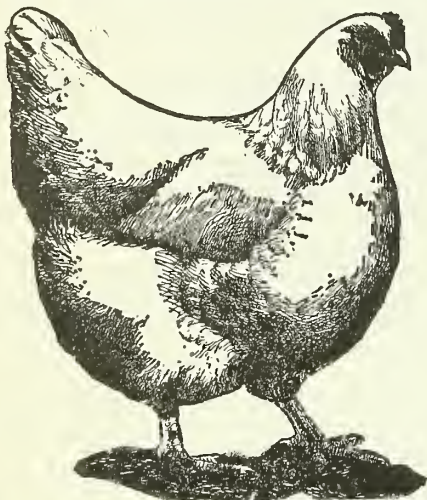
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## WHITE WYANDOTTES OF MERIT

Won second and third cock, second and third cockerel, second pen, at Falls Church show, with birds of my own raising. A few choice cockerels left. Eggs for hatching.

## BLACK ORPINGTONS Prize Winners

Won first cock, first and second pullet, Silver Cup for best pullet in entire show at Falls Church. A few settings of eggs at living prices.

**S. E. HUTTON, Falls Church, Va.**

## Mosley's Barred Rocks

**Are Winners.** In class of 95 Barred Rocks at Winston-Salem Poultry Show, Dec. 27-29, 1911, won 1st and 3d cock, 1st and 3d pullet, 2d pen and best display of Barred Rocks in the show. Fine cockerels, \$2.50 up. Eggs for hatching. Catalogue free.

**R. G. MOSLEY**

512 Elem St. Winston-Salem, N. C.

## Flotsam & Jetsam

By The ASSOCIATE EDITOR

**P**ROF. JAMES DRYDEN, of the poultry husbandry department of the Oregon Agricultural College, has stated it as his opinion that poultry keeping is most successful where the colony system prevails. Small houses, preferably portable ones, where the fowls may have free range, keep the birds more active and busy than they would be if confined in yards. There is also less danger of disease epidemics, and it is easier to keep the house on clean ground by moving it occasionally. The poultry will also require less food on the range. The fact that they will also rid the farm of many injurious insects must also be considered, as well as the important fact that they may be fattened in the fall on the stubble fields, if the colony system is used. A good size to build a colony house is 7x12 feet, Prof. Dryden says. A team of horses will pull a house of this size, and it will accommodate 30 to 40 fowls.

A Georgetown, Del., correspondent to the Philadelphia Record will have to answer for the following:

"Grieved over the death of his companion in the poultry yard of William Lacy, in Georgetown, 'Mike,' a big brown rooster, committed suicide by hanging himself in a manner that left no doubts as to his intention. Although many who saw the dead rooster have laughed over the idea of a rooster having committed suicide, Lacey and his family and other neighbors who watched the big bird are thoroughly convinced that it was a clear case of broken heart and suicide. In the poultry house there have been two roosters, 'Mike' and a big white one. They were uncommon friends and always could be seen together. Last week the white rooster died. 'Mike' seemed to miss his companion and at once began to droop and sit with his head under his wing. The neighbors particularly watched his dejection, and none were surprised when late in the afternoon 'Mike' deliberately walked up to the yard fence and, flying in the air, caught his neck between the palings, and with a jerk broke his own neck. 'Mike' was buried in the yard beside the white rooster, whose comradeship he had so greatly missed."

A country minister, in the course of his driving out on the circuit, came to a house where roast chicken was served for dinner. He had previously encountered a series of corn-beef dinners, and the chicken looked good.

"Well," the clergyman remarked, "here is where that chicken enters the ministry."

"Hope it does better there than in lay work," rejoined the host.—Good Housekeeping.

What is believed to be the oldest hen in Montana, and perhaps in the United States, is "Grandma," a Brown Leghorn hen, the property of Thomas Humphrey, a well known farmer of

Write for Valuable Booklet and Balanced Ration Formulas **Both Free** —if you write us your dealer's name and address

**SOMETHING TO CROW ABOUT**

**"HEN-E-TA"**

NO OTHER bone or grit needed now—nor bone cutters—nor beef scraps—nor charcoal—nor oyster shells if you feed "HEN-E-TA."

**Makes Hens Lay**

"HEN-E-TA"—the phosphorus food gets the most eggs with least trouble. Is about

**30% Pure Bone Ash**

Odorless—100 lbs. only \$2.25 or 500 lbs. only \$9. We will see that you are supplied if your dealer won't. Write

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## RUBBER STAMPS

We make them every day.

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## THIS COUPON WORTH 35 CTS.

Return this coupon and 35 cents (cash or stamps) and we will send you American Hen Magazine until January 1, 1913 (regular price 70 cents). This gives you 70 cents worth of the **Best Poultry Journal Published** for only 35 cents. American Hen Magazine has reliable writers on all subjects pertaining to poultry, fruit, pigeons, nuts and bees. It contains valuable information on how others have made from \$6,000 to \$20,000 a year from the investment of only a few dollars.

Joel M. Foster, a young man, made \$19,484.83 in one year. The Curtis boys made \$100,000 from their chickens. Mr. Parrin made over \$1,300 on a village lot. The Cornings (father and son) made \$12,000. One man made over \$35,000 in two years. Ernest Kellerstrass made \$18,178.53 last year. E. R. Philo made \$1,500 from 60 hens in 10 months.

Many others are making a snug fortune each year. Are you? Remember, you can make an independent living from chickens on a city lot, right in your own back yard. Read "A Fortune Raising Chickens on the No-Yard Plan" in American Hen Magazine.

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**AMERICAN HEN MAGAZINE**

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"CHIEF JUSTICE," Score 95¼.  
Bred and owned by Galesburg Fancy Poultry Plant, 82 North Henderson Street, Galesburg, Ill.

Sedan, says the Bozeman (Mont.) Courier.

"Grandma" will be 19 years of age this spring. She was hatched, as the records show, April 12, 1893. She has hatched out two broods of chicks each year for seventeen years, notwithstanding that Leghorns are not supposed to be good setters. And she has laid on an average more than 200 eggs a year, which places her right up among the champions as a layer. Today at the age of nineteen years, "Grandma" is as young and spry and useful as ever in her long useful career. "I'll match her with any hen in Montana as a layer or a setter," said Mr. Humphrey. "I will present this wonderful hen to the State college poultry department so that she will have a home and the college will have a chicken that leads the country as a producer."

The State College of Agriculture in Georgia has just established a chair of poultry culture, and the Georgia Experiment Station has just appropriated \$5,000 to put in a poultry department at this station. In most of the eleven congressional schools and agricultural colleges in the state of Georgia can be found good poultry departments, conducted in a small way. All of these things are doing much to educate and interest the Southern people who have heretofore not given the poultry business much thought. If this work is kept up it will be a great thing for the state of Georgia. A bill will be introduced at the next meeting of the legislature, which it is hoped will be passed, to secure an appropriation of \$35,000 to do a line of work that has been mapped out that has never been done in any state. If these things are accomplished, which will very likely be done, much good will surely come from

this work.—Loring Brown, in American Poultry Journal.

The author of the following has very wisely withheld his name:

"As owner of a swimming hen which has taught her art to a brood of a dozen chicks, Chas. DeLong, an employee at the Merchants' Union Ice Co.'s ice house, at Catskill, N. Y., has acquired no little local fame. The hen last season acquired a taste for the wild rice growing in profusion on the flats along the shore, and daily swam out to the rice grass to feed. Last fall the old hen took a brood of chickens out for swimming lessons until all became proficient, and it was hard for Mrs. DeLong, who lives in a nearby houseboat, to entice the rice fed hen and chicks to come to their meals ashore."

Robert Melton, a farmer living near Princeton, Ind., reports that during the cold weather the chickens in his barnyard have made a practice of riding around on the backs of his sheep, their feet clutched down close to keep them warm. The chickens would hop down from the sheep only to pick up something to eat. Mr. Melton feeds his cattle in two sheds and he says some chickens following the practice on the sheep, have now taken to perching themselves on the backs of the cows and riding from one feed stable to another to pick up the grain scattered about, thus getting through the deep snow. He says sometimes two or three chickens could be seen complacently riding along on the back of one cow.

The Georgia Poultry Association elected the following officers at a meeting held at Atlanta recently:

President, H. G. Hastings; vice president, Ewell Gay; State vice presidents, Julian McCamy, Dalton; Dr. R. B. Callahan, East Point; E. E.

## THE Breed Partridge Rocks

- ☞ All the utility of the Rocks.
- ☞ Handsomer than Whites or Buffs.
- ☞ No troublesome double mating.
- ☞ Eggs from birds bred by Noftzger (originator) \$5.00 a setting.

**PERCY H. WHITING**

R. F. D. 3, : DECATUR, GA.

The best S. C. R. I. RED EGGS, Tompkins, \$5.00 a setting.

## EGGS, EGGS, EGGS

from Barred Plymouth Rocks, White Wyandottes, and S. C. White Leghorns. Are you going to buy eggs for hatching this season? Then why not get them where you can get them at reasonable prices? Ours are as pure in blood, as fine in personal merit as any breeder can offer you. They win and breed on, and at about one-third what other breeders would charge you. We are the largest high-class thoroughbred poultry breeders in the South. We have spared neither pains nor expense in getting the best strains in the United States. All our breeding stock are of the very best quality, and whether you buy chicks, eggs, or stock, you are certain to get the best grade on the market. We have only one grade—the best—and one price to all. Eggs, all breeds, \$1.50 per 15, \$2.50 per 30, \$7.50 per 100. After March 1 we can furnish day-old chicks at 15c each. Safe arrival guaranteed. Address all correspondence to

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**I Save You Half** on this well-made standard incubator because I cut the selling expense. When you buy the Buffalo I give you three-fourths the usual gross profit. No better incubator can be made than the new Buffalo. Compare it with others selling at \$8.00 to \$10.00 more. I will get your orders, I know.

### Note My Low Prices:

No. 0	50 to 60	Egg Size	\$ 9.50
No. 1	110 to 120	" "	12.00
No. 2	220 to 240	" "	16.00
No. 3	340 to 360	" "	20.00

**My Guarantee:** I positively guarantee that the Buffalo will hatch as well as any incubator made, regardless of cost. I guarantee it to be as substantially, as well and as easily regulated as any incubator costing \$8.00 to \$10.00 more, egg capacity considered. I guarantee it to be Fire-proof and to last as long as any incubator ever built. **Your Money Back.** Send us your order today. Say which size you want and enclose the price with your order. My guarantee insures absolute satisfaction in every way.

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## Single Comb Brown Leghorns

### COCKERELS AND PULLETS FOR SALE

Eggs from my best pens at \$2.50 per setting of 15; \$10.00 per 100. I have other pens mated for laying purposes at \$1.00 per setting and \$6.00 per 100. Circular free.

M. S. COPELAND, : R. F. D. 1, Powell Sta., Tenn.

## BUFF ORPINGTONS

In six big Southern shows, including Atlanta, the Appalachian Exposition, and the big shows of my native State, during the past show season, I won fifteen firsts out of a possible seventeen. In every show competition was simply fierce. Every male heading my pens is a first prize winner. Write at once for my mating list. EGGS—\$3.00 and \$5.00 per 15.

C. D. FORNEY : Morganton, N. C.

## S. C. CRYSTAL WHITE ORPINGTONS

Eggs from pens direct from Kellerstrass Poultry Farm, \$5.00 and \$10.00 per setting of 15 eggs. Write for catalogue and mating list. It's FREE.

GEO. M. MOSLEY : Menlo, Georgia

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They are the Egg Machines. Stock and eggs from one to one thousand. Write us.

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## WHITE WYANDOTTES THE KIND THAT PAY

Bred for highest standard of perfection; they always make a fine showing. Eggs, \$2.00 per 15. MAMMOTH PEKIN DUCKS—the largest and best in the South; all blue ribboners. Eggs, \$1.75 per setting. Some fine young stock for sale.

OLIVER RUTHERFORD, : : Box 7, Eutaw, Alabama

## Barred PLYMOUTH ROCKS

I have a few Cockerels and females left, which are excellent in quality. Cockerels, \$2.00; females, \$1.00. Eggs from Ringlet cockerel mating birds, \$3.00. Eggs from pullet mating birds, \$2.50.

LYNN MORRIS, Breeder

OAK MEAD FARM : Kiser, Tennessee

## ANCONAS, BARRED P. ROCKS, I. R. DUCKS

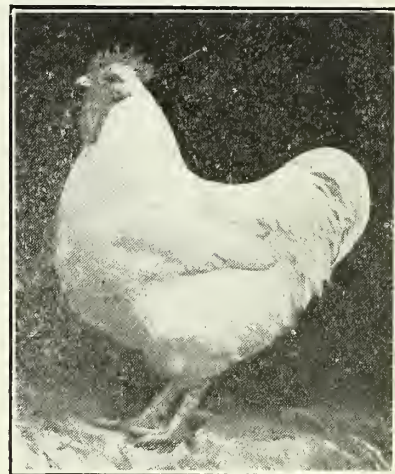
Ancona eggs, from prize winners, \$3.00 and \$5.00 per 15; \$1.50 per 15 from utility matings which contain prize winning males and hens that lay. Barred Rock eggs, \$1.50 per 15. Indian Runner Duck eggs, \$1.00 per 12. S. C. White Leghorn eggs, \$1.00 per 15.

W. F. BAYLESS, Morristown, Tenn.

Mack, Thomasville; C. A. Dobbs, Gainesville; treasurer, M. F. Morris; secretary, C. O. Harwell. Executive Committee—W. V. Zimmer, Ewell Gay, M. F. Morris, J. I. Hosford, T. W. Martin.

What next in the chicken business? A few days ago, while killing and picking thousands of chickens, preparing them for the Eastern markets, one of the employees of the Naive-Spillers Produce Co., of Nashville, discovered a chicken with a jet black skin. The bird is the first ever known to have been found with a skin of this color, and has been carefully preserved in alcohol. The question arises, whether a black or white hen laid the egg that produced the bird with the black skin? The specimen will be sent to the Smithsonian Institution.

O. P. Wilson, of Humboldt, Tenn., has in his possession a hen egg with a raised capital script letter "L" on one end of it. This letter is of pure shell formation and is the natural color of



"JUDGE"

A superb White Orpington cock bird weighing 11½ pounds. Winner at Richmond and Roanoke, Va., and other shows. Now heading one of the pens of Old Dominion Poultry Yards, Graham, Va.

the remaining part of the shell. The next day after laying this egg the hen went to setting and Mr. Wilson thinks the "L" stood for "last" and meant it was the last egg her henship proposed to lay for some time to come.

R. F. Winstock, of Louisville, Ky., a practical poultryman, has purchased fifty acres of land near Chattanooga, Tenn., where he will go into truck farming and poultry business on an extensive scale. Mr. Winstock will erect several substantial buildings, and will arrange to devote his entire time to the raising of poultry and truck for the Chattanooga market.

G. W. Ivy, manager of the Morristown Produce & Ice Co., Morristown, Tenn., has returned from New York, where he made the largest sale of poultry to a New York firm ever recorded in Tennessee. He sold, for immediate delivery, \$25,000 worth of milk-fed dressed poultry, which always commands a ready sale at fancy prices in eastern markets.

Although the songbird doth delight  
The ears of many men,  
The farmer's wife would rather hear  
The cackle of the hen.

—Vt. Union Journal.



## A. P. A. Notes and Comments

By E. H. DePOY, Associate Editor

The Kentucky Branch of the American Poultry Association held their annual meeting Thursday, Jan. 25th, at 3 p.m., in Armory Building at Louisville, where the big combined shows of the Kentucky State Poultry Association, the Louisville Poultry and Pet Stock Association, and the official A. P. A. Branch Show were being held, Jan. 22 to 27. The entry was the largest ever held by any show in the State, and quality of all varieties was good. The awards in poultry was placed by Mr. S. B. Lane and Mr. Theo. Hewes. Besides the gold and silver branch medals offered by Kentucky branch, \$200.00 in gold was offered by the Commissioner of Agriculture, Mr. J. W. Newman, as special prizes, and many handsome silver cups, etc., besides the liberal cash prizes offered by the Association.

There was a large attendance of breeders from Kentucky, as well as many breeders from several other States. Mr. E. N. Hopkins, of Arkansas, one of the A. P. A. organizers, was at the show, and assisted Roger V. Harp, secretary of the branch, in an effort for new members; and when a final count was made, there had been signed up 21 members for the branch, with a great amount of missionary work being done that will soon result in more applications. This in-gathering of members, with those secured since the meeting of the convention in Denver, gives us a gain of 32 members, or a total membership of 72.

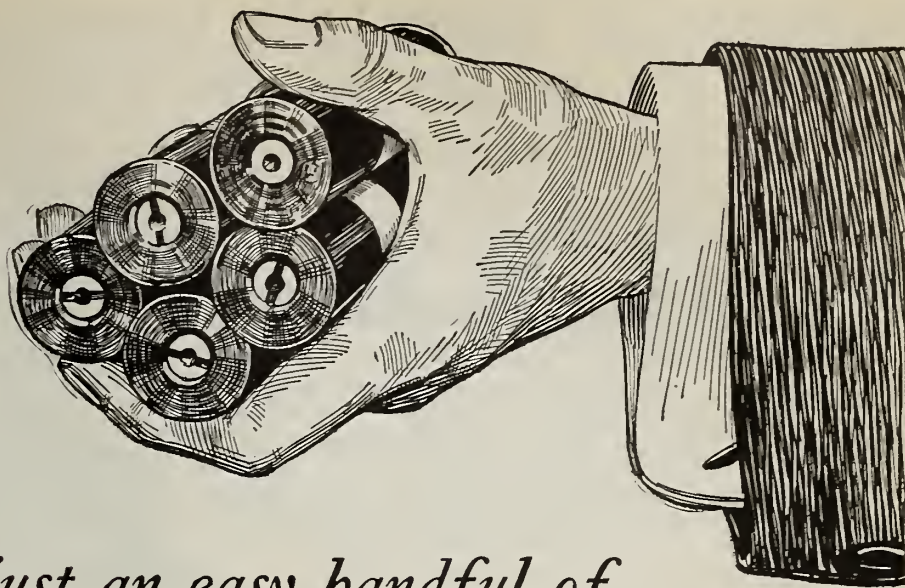
Mr. Louis Lee Haggin, president of the Branch, and Roger V. Harp, the secretary, have agreed among themselves to see that the membership of the Kentucky Branch of the A. P. A. reaches the 100 mark by the time of the next annual meeting, which is, we hope, to be held in Nashville.

Through the efforts of the poultrymen of Kentucky, the Dean of the Agricultural College, Prof. M. A. Scovall, and Mr. J. W. Newman, the Commissioner of Agriculture, have inserted a section in the Agricultural College Bill which, among other things, appropriates \$10,000 annually for the advancement of the poultry interest in the State, including experiments in breeding for egg production

### How Folks Make Money With Hens

My book has helped people make fortunes in the poultry business—will do the same for you. Low prices for Stock, Eggs for Hatching, Incubators and Brooders. 200 pages containing over 100 illustrations—many in natural colors—gives list of 72 varieties of Pure Bred Fowl—gives complete information about eggs, stock, incubators, etc. This book is a marvel and only 15c. Send today, read it through and if you don't feel fully satisfied that it is worth many times that much, return the book and get your money back.

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## KODAK FILM

Will tell the story of your vacation. There's film for a dozen pictures in each cartridge, the weight is trifling.

The Kodak itself slips into the pocket and the picture making is simple from start to finish. Press the button—do the rest—or leave it to another—just as you please.

The Kodak system does more than simply remove the inconveniences of the glass plate and dark-room methods of picture taking—it gives better results. There's no question about the advantages of daylight loading and daylight development by the Tank method. Thousands of the best professional photographers now use the Tank system for their work even though they have the experience and the facilities for dark-room work. They have adopted the Tank because it gives them better results. If it's better for the professional there's no question about it for the amateur.

You can take good pictures with a Kodak. You can finish them well by the Kodak system without a dark-room—or if you prefer, can mail them at slight cost and no danger of breakage if you wish to have a professional finisher do the work for you.

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Kodaks, from \$5.00 up. Brownie Cameras (they work like Kodaks), from \$1.00 to \$12.00.

**EASTMAN KODAK COMPANY,**

ROCHESTER, N. Y.

## EGGS!—EGGS!—EGGS!

We are now ready to book orders for eggs for hatching from the  
**Quintus Shepherd Strain W. PLYMOUTH ROCKS**

Our matings cannot be surpassed in the South. Mating List free. Correspondence solicited. Address all communications to

**ALTAMEDE FARM : Shepherd, Tenn.**

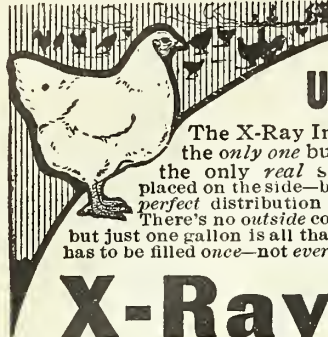
## WHITE ORPINGTONS (JACKSON STRAIN)

THE WORLD'S BEST STRAIN.

After years of careful and scientific line breeding this strain stands alone in reproducing their winning and laying qualities which have been stamped and restamped upon them. Pearl white, big boned, cobby type and heavy winter layers. I have birds direct from the farm and some of the best ever shipped South, winning first and second prizes at Memphis, Tenn., and Jackson, Miss. Four grand pens mated and ready for business. Eggs—\$3.00, \$5.00 and \$8.00 per 15. Mating list describing each pen free.

**HARRY CALLICOTT, : Coldwater, Mississippi**





## Remarkable Invention!

### Uses Only One Gallon Oil to Hatch

The X-Ray Incubator is a radical departure from old style machines. It is the only one built on the right, proven principle. Thousands of users say it's the only real successful incubator ever made. The X-Ray's lamp is not placed on the side—but underneath, directly in the center, where it should be. This means perfect distribution of heat in egg-chamber. All corners are just as warm as center. There's no outside cold. X-Ray Incubator has large oil tank holding 4 to 8 quarts of oil—but just one gallon is all that's needed to make hatch—we absolutely guarantee that! Lamp only has to be filled once—not every day as in the old-style machines. Heat is regulated in the—

## X-Ray Incubator

**"Built Different From All Other Machines"**

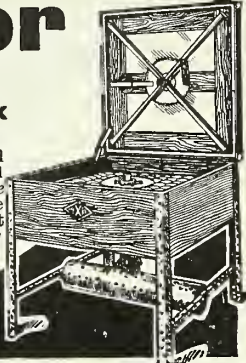
egg-chamber by our patented automatic trip that cuts down flame at burner when there's any excess heat. This is reason X-Ray uses only one gallon of oil. X-Ray is heated to hatching temperature in just exactly 15 minutes—old style machines take 4 to 8 hours to "heat up." Top of X-Ray has two double-glass panels—Thermometer can be seen any time without raising the lid and chilling eggs.

**Send for 1912 X-Ray Book No. 25 —It's FREE!**

Write today for our latest illustrated catalog on X-Ray Incubators and Brooders. It will be most profitable reading for you! Many other exclusive patented features about the X-Ray that you should know about. Every X-Ray is fully guaranteed. Be sure to write today. Address

**X-Ray Incubator Co., Wayne, Neb.**

**We Pay the Freight**



and methods best adopted for hatching and raising of chicks and feeding experiments, and other investigation tending to the economical production of poultry and eggs. This bill has been recommended for passage by the committees of the Senate and House. Should we secure the passage of the above measure, which it seems we shall, we will then be in a position to make the poultry interest of Kentucky look up and be felt as a factor throughout the country.—Roger V. Harp, secretary Kentucky Branch, A. P. A.

Since writing the above, the House of Representatives at Frankfort passed the foregoing bill by a vote of 84 to 3, and we have every reason to hope for success in the Senate.—R. V. Harp.

A new State Branch has been organized in Montana, with the following temporary officers: C. S. Norton, Bozeman, president; Lee M. Ford, Great Falls, vice president; C. A. Greenfield, Butte, secretary; V. J. Babcock, Great Falls, election commissioner. Executive Board—L. W. Austin, Missoula; A. B. Beckwith, St. Ignatius; C. R. Seigel, Helena; T. J. Courghenour, Jr., Hamilton.

Florida reports a new State Branch. The following temporary officers were elected: G. W. Parkhill, Jacksonville, president; J. C. Cooper, Jacksonville, first vice president; R. K. Shaw, Quincy, second vice president. Executive Board—J. A. Holloman, chairman; H. E. Coe, E. W. Baker, W. C. Whitty, Sam Happerset, H. Hoyt, W. P. Wadsworth; C. F. Ward, Winter Park, Fla., secretary-treasurer.

New Hampshire's new State Branch reports the following temporary officers: Luther Robbins, Hollis Depot, president; Geo. E. Buzzell, Dover, first vice president; Warren F. Daniell, Franklin, second vice president; E. W. Cunningham, Exeter, secretary-treasurer. Executive committee—Prof. T. R. Arkell, Durham; E. W. Cunningham, Exeter.

Tennessee Branch A. P. A.

A very important meeting of the Tennessee Branch of the American Poultry Association was held in Nashville recently. President C. L. Baker, of Memphis presided at the meeting. By-laws and a constitution were adopted, and steps taken to increase the membership in the State to 500 before the annual convention in August. It is the purpose of the present administration to make the Tennessee Branch second to none in the entire country. Mr. John A. Murkin, of Nashville, is secretary of the Tennessee Branch.

The following new members have been added to the A. P. A. in the South since the last issue of this magazine:

Arkansas—James V. Johnson, Little Rock; Phillips County Poultry Assn., Helena. North Carolina—Iredel Poultry Assn., Statesville; John M. Hammer, Ashboro; Lee H. Campbell, Rutherford College.

Kentucky—John Anent, Louisville; Carlton Ball, Millersburg; Mrs. Robt. C. Talbott, Austertlitz; Eugene Strauss, Anchorage; Mrs. C. M. Vertrees, Cecilian; Henry G. Saam, Louisville; E. K. Pennebaker, Louisville; J. Gaylord Blair, Louisville; J. H. McDaniel, Warsaw;

## HILLCREST FARMS CHAMPIONS

# PARTRIDGE ROCKS

### MADISON SQUARE GARDEN

### 1906-1907-1908-1909-'10-1910-'11

Also Boston, Philadelphia, Baltimore, Washington, Hartford, Scranton, Allentown and Hagerstown.

Stock and Eggs for Sale at Reasonable Prices.

**WM. F. FOTTERALL, Prop., Box 5, Oakford, Pa.**

## THE VERY BEST

### Imported Orpingtons and Indian Runner Ducks

Eggs from our best stock delivered direct to you, express prepaid from England, at \$5.00 per fifteen eggs. Our birds have won at the largest shows in the world. We have been breeding for thirty years, and our strain is well known in England and abroad. We must have your orders early in order to deliver the eggs when you want them. These eggs will produce prize-winners of the highest type. This is the greatest offer ever made in Orpington eggs. We furnish the Buff, Black and White, and have some fine stock for sale, either show birds or high class breeders.

**DON'T FAIL TO ENTER YOUR ORDERS FOR EGGS NOW**

**CHARLES S. FRASER, : : Marlton, New Jersey**

Representing in the United States MESSRS. RICHARDSON & JONES, in England

## CHOICE POULTRY YARDS

Nine Varieties: S. C. WHITE LEGHORNS (Specialty), S. C. BROWN LEGHORNS, S. C. BLACK MINORCAS, WHITE WYANDOTTES, ROSE and S. C. RHODE ISLAND REDS, S. C. BUFF ORPINGTONS, S. S. HAMBURGS, and BLACK BREASTED RED GAME BANTAMS. Breeding yards composed of the very best and finest to be seen in any yards. Some fine breeders for sale at reasonable prices, backed by our guarantee. Send us your orders; we will send you the very best we can afford for the price, and guarantee satisfaction or refund your money. Catalogue free.

**J. P. SWIFT & SON, : Waynesville, N. C.**

## Utility Strain BARRED PLYMOUTH ROCKS

### AND S. C. W. LEGHORNS

Birds all hen hatched for several generations. Stock strong, healthy, and vigorous. Reared in colony houses on Free Range. Write me for prices of eggs for hatching and breeding stock.

**D. T. MITCHELL, JR. : : MAHAFFEY, PA.**



M. L. Walker, Louisville; Chas. A. Hess, Louisville; V. H. Gaitskill, Austerlitz.

Mississippi—James W. Cassell, Vicksburg.

Texas—Arthur Ward, Gonzales.

Virginia—A. E. D. Holden, Lynnhaven; Jos. G. Williams, Salem.

Alabama—W. A. Fort, Marion Junction; Dr. J. G. Hopping, Birmingham; Kyle Lawson, Birmingham; G. F. Snover, Ensley; Alabama Poultry & Pet Stock Assn., Montgomery; A. R. Harvey, Montgomery.

West Virginia—E. J. King, Pine Grove; T. R. Smith, St. Mary's; Farmers and Fanciers' Poultry Assn., St. Mary's.

Georgia—Walter T. Chandler, Atlanta; Mrs. C. A. Bulloch, Bullochville; T. J. Hightower, Atlanta.

Missouri—G. M. Sprout, Trenton; C. H. Rogers, Eagleville; S. C. Connor, La Monte; J. M. Stone, Columbia; Mrs. Daisy Rose, Bois D. Arc; C. H. Funk, Holden; John Hook, Belton; Geo. Sarver, Mt. Moriah; Wm. Miller, Wellsville.

Tennessee—Mrs. John M. Grissim, Lebanon; Mrs. Reginald Stonestreet, Nashville; Chattanooga Poultry Association, Chattanooga; Garvey McKee, Brush Creek; W. W. Newberry, Mountain City; Miss M. Hampton, Nashville; H. C. Motley, Chattanooga. This does not include those secured at Nashville during the recent membership campaign in that city.

Oklahoma—W. C. Bolon, Hobart; A. J. Emery, Oklahoma City; A. B. Simpson, Shawnee; E. M. Fears, Bristow; V. A. Johnson, Porter; W. H. Catterall, Cluctasha.

Florida—Harry B. Hoyt, Jacksonville; J. C. Cooper, Jacksonville; Geo. W. Parkhill, Jacksonville; H. u. Cole, Winter Park; Mrs. Saml. H. Happersett, DeLand; J. A. Halloman, Jacksonville.

Total new members added to association's roll call since the close of the Denver convention, 653. Total added since last report, 262.

Mr. C. M. Bryant has been named by President Hicks to fill out the unexpired term of the late Mr. Nichols as treasurer of the Association.

#### HAMBURGS FOR BEAUTY AND PROFIT.

We all have our favorite fowl, and some fanciers, like some girls, are never able to decide just which one they like best. About eight years ago, we fell in love with the Silver Spangled Hamburgs. We like them on account of their tame nature, their great beauty and their ability to leave an egg in the nest very nearly every day.

Hamburgs originated in Holland, and are known as the Dutch breed. In their native home they are nick-named "the every day layer." There are six varieties of Hamburgs—Silver Spangled, Golden Spangled, Silver Penciled, Golden Penciled, the White and the Black. Of these, the Silver Spangled are much the better known in this country, and of late years several breeders have taken them up to breed exclusively, and have improved them in both health and standard requirements.

Hamburgs are strictly non-sitters, lay a snow white, medium sized egg, and the fowls compare favorably in size with the Leghorn. Personally, the writer favors feeding any kind of a fowl, but if Hamburgs are given the range of a farm they will do quite well through the summer season without feed being supplied. To both the farmer and the fancier, we recommend the Silver Spangled Hamburg.—Charley Laughlin, Bloomfield, Ind.



# Rhode Island REDS

ROSE AND SINGLE COMBS

## EGGS—BABY CHICKS—STOCK

Our birds won 108 out of 128 prizes in six of America's largest shows during the past two show seasons—(establishing new world records). These birds are bred for beauty and utility and during zero weather we gathered eggs by the bucket full.

### "NON-FADING" AND THE VERDICT

At Indianapolis on Feb. 7, 1912, eight of America's foremost judges carefully inspected our Non-fading R. C. Rhode Island Red Hens and SIGNED a STATEMENT that we had what we claim and advertise

### "NON-FADING" R. C. HENS

This signed statement, together with our consistent winnings should convince you that we are the headquarters for high-grade RHODE ISLAND REDS, and can give you better quality than any other Red breeder.

28 Pens of Hens. Eggs at \$5.00 and Up per 15

FOR SALE—200 Pullets, \$2.50 to \$5.00; 100 Cockerels, same. Full Blooded Stock.

Send for second edition of "Origin and History" of Rhode Island Reds.

Fifty-six pages of information. All for 20 cents.

## BUSCHMANN-PIERCE RED FARMS

FARMS AT CARMEL, IND.

4960 N. Meridian St., INDIANAPOLIS, IND.

EUGENE ECKEL, Owner

FRED D. SMITH, Superintendent

## WOODLAND POULTRY FARM

White Leghorns, Indian Runner Ducks and White Minorcas of Quality

"Special" 2,500 egg hatching capacity. White Leghorn Baby Chix, \$10.00 per 100, from good utility stock. NOTE—Our first pen White Leghorns at Morristown Show scored 190 points under Judge D. M. Owen, winning The Industrious Hen Cup for the best pen in the show, all breeds competing. WOODLAND POULTRY FARM, Morristown, Tenn.

## EGGS! EGGS! BUFF ORPINGTONS

at \$3 and \$5 per 15. Satisfaction guaranteed. Write me for mating list.

G. B. MOOREHEAD : : Lynchburg, Tennessee

## S. C. RHODE ISLAND REDS

EGGS FROM MY TOMPKINS' S. C. REDS AT HARD TIME PRICES. IF YOU WANT REDS, WRITE

JOHN W. BROWN. R. 1, Straw Plains, Tenn.

## CRYSTAL WHITE ORPINGTONS

Stock direct from Kellerstrass special pen. Eggs, \$3.00 and \$5.00 per setting. Baby Chicks, 50 cents each. Early chicks for fall winners and breeders, \$2.00 and \$3.00 each. Special prices on lots. Registered Collies, \$5.00 up. COMO CHIX YARD, T. P. Wood, Prop., Como, Tenn.

## Prize-Winning S. C. Buff Leghorns

Eggs, \$2.00 and \$3.00 for 15. A few good PARTRIDGE PLYMOUTH ROCKS, the breed that won the egg laying contest last year, \$3.50

O. D. BOYCOTT : : Greensboro, N. C.

WHEN WRITING TO ADVERTISERS PLEASE MENTION THE INDUSTRIOUS HEN.



## Fight Lice Right With Lee's Lice Killer



Rid your poultry and poultry houses of all vermin. Do it easily without the disagreeable work incident to dusting, dipping, greasing, treating each fowl separately. Remember dipping causes colds, roup, and weakens the bird's system. Don't spend time treating each bird individually—treat them all at once by using Lee's Lice Killer.

### Comes in Liquid Form Apply with Brush to Roosts

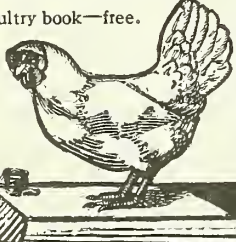
Kills all vermin quickly, whether on the chicken's body or on roosts. The fumes go everywhere—into the fluff of feathers, into cracks, into every nook and corner. Insects cannot live in the odor of Lee's Lice Killer. It is 100% more effective in killing insects and disease germs than its nearest competitor. Is entirely unharmed to poultry. Don't let your chickens suffer—don't put up with the consequent reduction in profits. Get a can of Lee's Lice Killer today. Rid your premises of lice, mites, chiggers, ticks, etc.

Convenient sizes—prices 35c, 60c and \$1.00.

Send for Lee's great poultry book—free.

GEO. H. LEE CO.

1113 Harney St.,  
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## Lee's LICE KILLER



IF YOU WANT

## ORPINGTONS

OF QUALITY (WHITE, BLACK OR BUFF.)

I have them. Eggs \$3.00 per 15 now or at any time. Carneaux Pigeons \$3.00 per pair.

W. G. ALLWORDEN, Route 3, Columbia, S. C.

## Poultry Disease Department

By J. A. THORNHILL, Hartselle, Ala.

**Q**UESTIONS pertaining to poultry diseases will be answered under this heading. All mail for this department should be sent to J. A. Thornhill, Hartselle, Ala. Do not address anything for this department to The Industrious Hen, Knoxville, Tenn., in which case it will NOT be answered. Stamped envelope should be enclosed if a personal reply is desired.

### Indigestion.

**Q.**—I have a bunch of Buff Orpingtons about five months old, and they seem to be in good condition with the exception of their combs, which seem very dull—kind of a blackish color. I would thank you if you would tell me what is the matter and give me a good remedy.—F. V. R., Memphis, Tenn.

**A.**—Your birds have indigestion. I expect, too, that they are afflicted with liver trouble. You are no doubt feeding too much mash and condiments for their good. If you change your feeding methods, I believe that your birds will be alright in a few days. Would obtain some tincture of chloride of iron and put one-half teaspoonful in the drinking water, allowing no other drink.

### A Sour Crop.

**Q.**—Please tell me what will cure a bird that has food in the crop that will not pass out, but remains for some time after it is eaten. It remains in the crop for several days, then becomes sour, the bird refuses to eat, the droppings become of a thin whitish nature; they stand around in a cramped position, and it seems that nothing I give them will move the food out of the crop and get the bowels regular and the droppings natural. The bird remains this way for several days then dies. Have tried castor oil, salts, pills and numerous other things to work them, but the food remains in the crop and sours. Can you tell me what will remove the sour food other than the plan of cutting the crop open. I have a very fine cock bird in this fix now and will thank you for some information that will save him quick.—J. F. West, S. C.

**A.**—Your birds have what is termed "sour crop," the cause of which is a sluggish liver, eating coarse hay, not enough grit and the lack of proper exercise and green food. Take a pint of luke warm water, add a pinch of salt and soda, pour the water into its mouth, or take a syringe and force it into the bird's crop, hold the head suspended into the air above the bird's body; while holding this, massage crop well, after which revert the head downward and let all loose food pass out the mouth. If it won't pass freely, stretch or suspend the neck until it does. Repeat this until the crop is soft and empty, after which give a large dose of castor oil; put three drops of turpentine in the oil. Feed

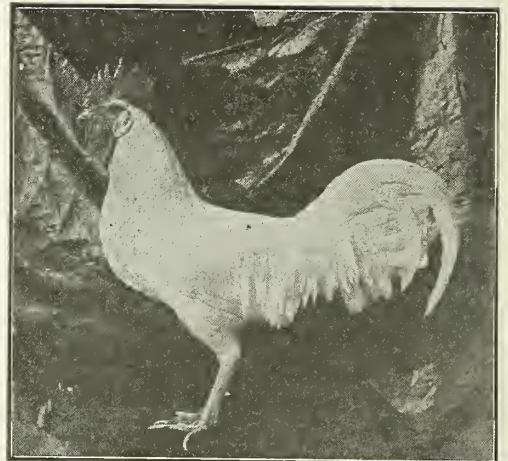
YOU CAN SAVE YOUR CHICKS!

## Conkey's

### WHITE DIARRHEA REMEDY—Price 50c.

Give it in the drinking water. Saves chicks even in bad cases. A guaranteed preventive—so why not get it before trouble starts?

The G. E. Conkey Co.  
CLEVELAND, O. DEPT. 17



"PEARL OY"  
"Untouched" photo of the champion cock and sire of first cock at Atlanta, December, 1912.

## GABHART'S WHITE LEGHORNS

Have been line bred for eight years for fancy points and heavy egg production. Winners at Cincinnati, Appalachian Exposition, Louisville, Lexington, Ky. State Fair and Nashville. Exhibitors, high-class breeders and utility stock for sale. Eggs, \$1.50 to \$3.00 per 15; \$5.00 to \$18.00 per 100, \$45.00 per 1,000. Write your wants.

W. E. GABHART, Box M, Bohon, Ky.

## 24 LEGBANDS FREE MAKE YOUR HENS PAY



We send free 24 of the best Leg Bands made to every new and renewing subscriber to THE INDUSTRIOUS HEN at 50c. 36 Bands will be sent with a three years subscription for \$1.00. If you are already a subscriber you may renew; or if you will get your neighbor to send 50c for his subscription, we will send a dozen Leg Bands to each. Enclose money order or stamps. Mention "Leg Bands" when subscribing under this offer.

INDUSTRIOUS HEN CO., Knoxville, Tenn.

## LaFollet's WEEKLY MAGAZINE

and The Industrious Hen, both one year, and a copy of "Hen and Chicks" for \$1.25. Send orders to The Industrious Hen, Knoxville, Tenn.



the bird on soft food for several days. Keep grit where your fowls can get to it. Keep their liver active, and don't feed too much at a time.

#### Not Necessary for Egg Production.

Q.—Kindly through your paper answer the following question: Will keeping a male with a number of hens increase egg production? I do not care for fertility, but desire the largest number of eggs.—Dr. W. C. McCauley, Versailles, Ga.

A.—No. It isn't necessary to keep the males with the hens; fact is, they will lay better without them.

#### Wants to Fumigate.

Q.—Will you kindly give a formula for fumigating poultry houses in the next issue of The Industrious Hen.—M. C., Ona, Fla.

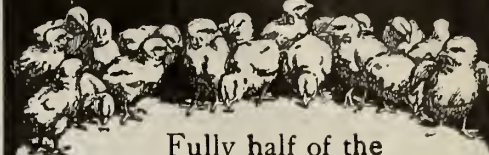
A.—You will find what you want in a recent issue. Before writing for information the readers will find it to their advantage to consult back issues. Often questions are asked that were handled lately in our department.

A.—You can't blame the hens—they are lousy. They can't support lice and do justice to your egg basket. Clean up the hen house, whitewash it, remove all litter and burn it. Clean up, dig up, and get rid of those lice with a good lice powder.

#### Leghorns Have Sorehead.

Q.—Please give me some information through the next issue of The Industrious Hen. (1) I am breeding S. C. White Leghorns, and am troubled with sorehead each year. Is the S. C. White Leghorn more susceptible to this disease than the smaller comb breeds? I do not lose any from it, but it seems to retard the growth. (2) Will I get more pullets from mating cock to pullets than to mate cockerels to old hens? I will give you my remedy for sorehead and you can publish it if you think it worthy of space: Get tincture of arnica and apply to affected parts, and at same time feed sulphur as a tonic. While I am unable to prevent the appearance of sorehead, I have not lost any fowls

## Save The Chicks



Fully half of the deaths among chicks are due to bowel complaint. Bowel complaint is the result of the chicks being chilled, overheated in brooder, or being fed old, impure or musty feed. Any poultryman can hatch chicks, but the great problem is to raise them. Help the chicks withstand these adverse conditions and you will have little trouble raising them.

# GERMOZONE

Will check up on bowel trouble in twenty-four hours and places the chicks in a natural, healthy condition. It tones the system, aids digestion, puts new life into sickly chicks. For older chickens, there is no better remedy for Roup, Colds, Chickenpox and other poultry diseases. No trouble—simply put Germozone in drinking-water twice a week.

**Liquid or Tablet—Price 50 cents.**

Get a copy of Lee's latest Poultry Book.

**Geo. H. Lee Co.**  
1113 Harney St., Omaha, Neb.



White Leghorn cock, owned by R. L. Patton, Morganton, N. C. This bird was shown only once this season, at Charlotte, N. C., where it easily won first in a strong class. Mr. Patton also won first pullet in a class of twenty-three in Charlotte show. He is breeding a splendid type of exhibition Leghorns.

When a personal reply is desired, please enclose a self-addressed envelope. Please don't forget this.

#### Hens Are Lousy.

Q.—My hens are not doing well. Their combs are very pale; they stand around in groups picking at themselves. Remain on the roost until late in the morning. They are very poor eaters at this writing. Kindly state my trouble, and give me a remedy.—Mrs. A. C. L., Miss.

from it where the above remedy was applied. A dime's worth of the arnica will supply treatment for a large flock.—Thos. Griffin, Douglas, Ga.

A.—(1) No; the large comb breeds show it more, but in reality all breeds are affected alike. Your sorehead remedy is alright. I have never used arnica for sorehead, but I know that it is good for the disease. If Southern breeders would commence early in the summer to give their birds salts and sulphur and continue this once a

## LEEMAN'S

SOUTHERN BEAUTY STRAIN

## S. C. BROWN LEGHORNS

BRED TO WIN AND LAY

Young stock all sold out. I have mated up for this season seven grand matings—two of cockerel and four of pullet line, one utility mating. I have the "Stuff." Let me show you. Eggs, \$1.50, \$2.50 and \$5.00 per 15; utility eggs, \$4.00 per 100. Motto—"When you are satisfied, I am." 21 years a Brown Leghorn breeder. Write wants. Ask any question. Address

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**BARRED ROCKS**—250-egg bred-to-lay strain; eggs \$3 per 15. **S. C. WHITE LEGHORNS**—layers and winners; eggs \$2 per 15. **INDIAN RUNNER DUCKS**—greatest laying strain; eggs \$2 per setting. **FRANK SEAGLE**, Prop. Valley View Poultry Farm, R.1, Morristown, Tenn.

**ONE GALLON  
ZENOLEUM  
\$1.50 Ex. Paid**

We will send **ONE** gallon of Famous Zenoleum Disinfectant and Lice Killer, enough to make 2 whole barrels, one hundred gallons in solution, for \$1.50 Prepaid. This is the poultry remedy you see recommended so often in the writings of great authorities. It is used by 46 Agricultural Colleges and the leading fanciers of the world. Book "Chicken Chat" sent free. **THE ZENNER DISINFECTANT CO., 201 Lafayette Ave., Detroit, Mich.**



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**Buff and White Wyandottes**

Hundreds of prizes won at leading shows, including Madison Square New York, Chicago, Cincinnati, Louisville, Chattanooga, Appalachian Exposition, Kentucky and Alabama State Fairs. Eggs from seventeen grand pens, including the winners at above shows, \$3.00 to \$5.00 per 15. Eggs from sale stock, \$2.00 per 15; \$5.00 per 50; \$8.00 per 100. A fine lot of breeders and exhibition birds for sale—cheap for quality. Also eggs from record-laying S. C. WHITE LEGHORNS, \$1.50 per 15; \$3.00 per 30; \$5.00 per 100. Special matings, \$2.00 per 15; \$5.00 per 30; \$8.00 per 100. Mating list free. Write

**SQUARE DEAL POULTRY FARM**

POWER & CABLISH, Props., Box J, Maysville, Ky.

**Fogg's S. C. White Leghorns**

Are bred for **HEAVY LAYING** and **EXHIBITION QUALITY**. If you want the **BEST** for your money in **BABY CHICKS, EGGS FOR HATCHING** and **BREEDING BIRDS**, send for booklet and mating list now. No order too large or small.

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Box A

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**Buff Ply. Rocks, "Giant" Strain Bronze Turkeys and Indian Runner Ducks**

Quality backed by years of careful breeding. Our birds are winners in our hands and customers at Louisville, Cincinnati, Chicago, Boston, Indianapolis and Atlanta. If you wish quality, combined with honorable treatment, we can fill your orders and at prices most reasonable. Stock in either variety mated, no kin, and in any number. Write for prices, etc.

**J. C. CLIPP**

-

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**BAKER'S FARM BIRDS**

Win for us; win for others—WILL WIN FOR YOU. Blue Ring BARRED ROCKS, WHITE WYANDOTTES, S. C. BROWN LEGHORNS, Light Fawn and White INDIAN RUNNER DUCKS. Twenty-two prizes and several specials at the South's greatest shows, Nashville, Chattanooga and Atlanta, 1911. Prompt shipment. Write me.

**MRS. CLARA M. BAKER**

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**DENSMORE'S S. C. WHITE LEGHORNS**

—WIN, LAY and PAY—

We have the best laying and exhibition strain in the South. Get our mating list and prices before ordering. Eggs from utility pens, \$6.00 per 100. Day-old chicks, \$12.00 per 100.

SATISFACTION GUARANTEED

**THE DENSMORE POULTRY FARM, Inc.**

:

Roanoke, Virginia

**WHITE ORPINGTONS (Exclusively)**

My winnings on WHITE ORPINGTONS (Cook Strain) at CARTERSVILLE, GRIFFIN and DALTON were eight firsts, seven seconds, four thirds and five special prizes. EGGS—\$5.00 and \$10.00 per 15. Stock for sale.

**H. A. BLACK,**

Cartersville, Ga.

**EGGS! EGGS! EGGS!**

From as handsome WHITE ORPINGTONS as can be bought; also choice matings of WHITE MINORCAS, WHITE ROCKS, WHITE LEGHORNS, INDIAN RUNNER and MUSCOVY DUCKS. Prices of Orpington eggs and stock will be furnished on application; other pens, \$2.00 per sitting.

**ELM PLACE POULTRY YARDS, Glasgow, Kentucky**

MRS. T. P. DICKINSON, Owner

month until late in the fall, we would not have so much sorehead among our flocks. Aromatic sulphuric acid applied to the sores and the salts and sulphur given in the mash will cure the most aggravated case of sorehead. (2) No. Some breeders claim that you will, but after numerous tests, I know that there isn't any truth in the supposition. There are certain stages of each clutch of eggs that will produce more pullets than males and the same by the males. The same flock of hens at one time will throw 80 per cent pullets, and in another stage of the same clutch of eggs produce more cockerels.

**Feed for Pigeons.**

Q.—What are good grains for pigeons?

A.—I am not a breeder of pigeons, but have been told that corn, wheat, peas and a little hemp seed make the best pigeon feeds. Salt and fresh water should be kept before them.

**About Wry Tails.**

Q.—(1) How does feed cause wry tails in chickens? (2) In your opinion does wry tail occur in chickens where wry tailed parents are used as breeders? (3) What is the best growing food to give chicks from two weeks old up to ten weeks old?

A.—(1) The feed has nothing to do with wry tail. (2) Yes. Breed only from birds that are perfectly normal in shape, and always avoid deformities in breeders. There is only one remedy—get rid of the wry tailed breeders you have. Breeding from wry tailed birds will cause trouble for years to come. (3) Equal parts of cracked yellow corn, wheat and oats. Green food, fresh water and clean quarters must be supplied too.

**Several Questions.**

Q.—(1) Are sweet potatoes good for chickens? If so, are they best fed raw or cooked? (2) Are poultry droppings unmixed with any other substance good for the family garden? (3) Would you mix wood ashes with the droppings? (4) What do you do to prevent Leghorns from flying over fences? (5) Are lard cracklings good for chickens?—Miss T. B., Tenn.

A.—(1) Yes; it is better to feed them raw. They answer for green food largely. (2) Yes; but it is best to mix lime soil with them. (3) No; wood ashes causes the ammonia to escape too fast. (4) Clip the wing flights. The poultry supply houses sell flight arresters or hobbles that are attached to the wings without injury. (5) Yes; they are a substitute for meat foods.

**Line Breeding and Double Mating.**

Q.—What is line breeding? Also double mating?

A.—In a back number we discussed line breeding. Double mating is keeping two separate or distinct lines of breeders—the male and female line of Rocks, Leghorns, etc. In raising birds for practical purposes, you needn't worry about these systems.

The Square Deal Poultry Farm, Maysville, Ky., have some wonderful Buff and White Wyandottes. In color, shape and size they are hard to beat, being winners at such shows as Madison Square Garden, Cincinnati, Chicago, Louisville, Chattanooga, Appalachian Exposition, Kentucky and Alabama State Fairs. Instructive mating list free. Write them.



## DEMAND FORCES US TO SELL EGGS AND DAY OLD CHICKS

We have been advertising pullets six weeks old in lots of 15 and less than 50, at \$1.25 each; 50 or more, \$1.00 each. But now we announce eggs at \$2.00, \$3.50 and \$10.00 per 15. The latter is special mating, all winners headed by "Chief Justice," and we can spare but few. All other pens are high-class, standard birds and not an inferior bird in any pen. By the 100, \$10.00. Among them winners at Galesburg, Kansas City and Omaha. Day-old chicks, same quality—in lots of 12 and less than 100, 30 cents each; 100 and less than 300, 25 cents; 300 and less than 500, 20 cents; 500 or more, 18 cents. We have the best S. C. WHITE LEGHORN blood in America and no better layers can be found in the world. Hence, considering quality, our prices are a way down. Order from this ad. If we cannot fill it your money will be refunded at once. Matured stock, males and females, for sale. Please mention this journal.

**GALESBURG FANCY POULTRY PLANT,**

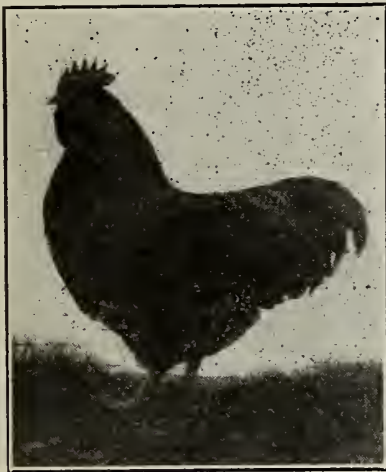
**Department H, Galesburg, Illinois**

## Southern Poultry Census

**North Carolina.**

The summary on poultry shows that the total number of farms reporting the different kinds in 1910 was 223,804, the total number of fowls being 5,053,870 and the total value \$2,213,000.

Of the total number of farms reporting poultry, nearly all, or 223,457,



"DOMINION"

An exceedingly fine Black Orpington cock bird, and foundation of the flock of prize-winners at Old Dominion Poultry Yards, Graham, Va. They have several pens mated and sell eggs under a reasonable guarantee.

reported chickens numbering 4,566,428, valued at \$1,925,00; 19,690 reported turkeys, numbering 70,009, valued at \$102,000; 13,396 reported ducks, numbering 75,786, valued at \$27,000; 29,186 reported geese, numbering 238,191, valued at \$126,000; 13,550 reported guinea fowls, numbering 76,519, valued at \$24,300; and 1,545 reported pigeons, numbering 26,043, valued at \$7,533. There were also reported pea fowls, valued at \$824; pheasants, valued at \$500; and wild geese, valued at \$29.

Of the whole number of farms in the State, those returning chickens were 88.2 per cent; geese, 11.5 per cent; turkeys, 7.8 per cent; ducks and guinea fowls, each 5.3 per cent; pigeons, 0.6 per cent; and all other, 0.1 per cent. The number of North Carolina farms reporting poultry increased 27,083, or 13.8 per cent, dur-



### CHAMBERLAIN'S PERFECT CHICK FEED

The Only Original Dry Chick Feed and The World's Standard.

FOR SALE BY

J. Steckler Seed Co., New Orleans, La. Otto Schwill & Co., Memphis, Tenn.  
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I. N. Hobson & Co., Tuscaloosa, Ala. Ferd Staffel, San Antonio, Texas.  
T. McClelland Hdw. Co., Jackson, Miss. F. E. Morgan, Ruston, La.  
W. F. Chamberlain Feed Co., 316 & 318 N. Commercial st., St. Louis.

## TEN ACRES OF LANGSHANS

AT MYERS' LANGSHAN HOME  
THE LARGEST FLOCK IN THE WORLD TO SELECT FROM.

Write if you want new blood. Cockerels, \$2.00, \$3.00, \$5.00, \$7.00 and \$10.00; Pullets, \$1.50, \$2.00, \$3.00 and \$5.00; Hens, \$2.00, \$3.00, \$5.00, \$7.00, \$8.00 and \$10.00; Cocks, \$5.00, \$8.00, \$10.00, \$15.00 and \$20.00. Eggs, \$3.00 and \$5.00 per 15, from six grand pens. Circular free.

**BEN S. MYERS**

**Crawfordsville, Ind.**

## Mammoth Bronze, Prize Winning Narragansett and Prize Winning Slate Turkeys

Eggs for sale. Three Bronze flocks headed by first prize winners. First flock headed by first cock, Boston Poultry Show. Hens, prize winners at Louisville Poultry Show, Central Kentucky Poultry Show, and Fanciers Association Show of Indiana.

**TALBOTT & GAITSKILL**

**Austerlitz, Kentucky**

EIGHT YEARS WITH

## ROSE COMB RHODE ISLAND REDS

HEAVY LAYERS. Won Silver Cup, Gold Special, best Red, and many Firsts in Large Shows. Catalog free. Satisfaction guaranteed. Gem Incubator for sale.

**MRS. J. C. DEATON**

**Box L, Landis, North Carolina**



**\$16 \$45 SEWING MACHINE**

Silent—Easy Running—Life Time Guarantee.

The *Industrious Hen* is the leading poultry journal of the South—50c one year. Three years \$1. Agents wanted. Samples free. Machine circulars free.

The *Industrious Hen* Co., Dept. A, Knoxville, Tenn.



## "QUINTESENT" ANCONAS---THEY LAY

Set eggs now for early fall layers and show birds from my large, vigorous stock. Express prepaid. Safe delivery guaranteed.

**H. E. PORTRUM, Rogersville, Tenn.**

## Warren's PARTRIDGE WYANDOTTES

Win more firsts and seconds in four leading shows than all other exhibitors combined (besides sweepstakes and specials). Satisfaction guaranteed. Write for mating list. It's free.

**B. R. WARREN, Route 1, Box C, Candler, N. C.**

## BEST IN THE CAROLINAS

Our REDS and WHITE ROCKS are silver cup and blue ribbon winners in hottest competition. Thirty acres devoted to Standard-bred poultry. Mating list free.

**KIRKWOOD FARMS**

**Paul P. Brown, Manager**

**ASHEVILLE, N. C.**

## BERNICE POULTRY BLOCK

**T. E. NEWTON, Proprietor** : **Bernice, Louisiana**

## Breeders and Fanciers Single Comb WHITE ORPINGTONS (Exclusively)

As we have hatched off all we can conveniently take care of on account of limited amount of room, we offer eggs just as we gather them from our \$4.00 and \$7.00 matings at \$4.00 per 15, \$7.00 per 30, \$17.50 per 100. BABY CHICKS from same eggs at 40 cents each, 25 for \$9.00, 50 for \$15.00, 100 for \$27.50. Write for mating list today.

WHEN WRITING TO ADVERTISERS PLEASE MENTION THE INDUSTRIOUS HEN.



## Now is Your Chance to Get a Start for Less Money of Lansden's Famous "Red Fox Strain" S. C. R. I. REDS

Five select pens are now mated, choice breeders, bred in line for years, that will deliver the goods. We make no cheap or so-called utility matings and fill no large orders for incubators. Our business is strictly fancy, with a view of improving all the time. The results for the past five years, as shown in the hands of our many satisfied customers all over the country who have come to us for help and received it, is evidence that we know how to mate for good results. That's the secret of the business. We do not depend on famous prize winners to get what we want. If you expect to reach the top of the ladder, you will have to eventually come to me. Why not now, and save time? Our eggs are all the same price—\$10.00 for single sitting, or two sittings at one time for \$15.00. We do not ask you \$25.00 to \$50.00 per setting for eggs from noted winners that are dead, in order to excite you for your hard-earned money. Write me for my mating list of the best REDS on earth, and WHITE INDIAN RUNNER DUCKS, the greatest egg producers in the world; a pure white duck that lays a pure white egg all the year round. A small fortune in these ducks, if you start now while the craze is on. We have the best that could be found. Eggs, \$10.00 for 12. Make your order now if you expect to get them. Write me for anything you want to know about the chicken business. Twenty years in the business. Reference—this paper or any other in the South.

**H. B. LANSDEN, Lock Box B, Manchester, Tenn.**

## Ballard's BUFF ORPINGTONS

(I HAVE NO OTHER BREEDS)

If you want to raise real BUFF ORPINGTONS that are bred right, look right, and will win and lay more eggs than any other strain, send for my handsome illustrated Mating List. Free. More BUFFS and better BUFFS than ever before. The winning and laying habit stamped indelibly in them.

**W. H. BALLARD, Box H, R. F. D. No. 4, Memphis, Tennessee**  
BUFF ORPINGTON SPECIALIST.

## PARTRIDGE PLYMOUTH ROCKS

PRIZE WINNERS AT ALL THE LEADING SHOWS.

At the recent Cleveland show won eight premiums on eight birds entered. Stock and eggs. Catalog free.

**ROCKWOOD FARM Box T Norwalk, Ohio**

## Stock for Breeders, Eggs for Hatching at Half Price

WHITE ORPINGTONS, \$3.00 each. Eggs, 15 cents each. RUNNER DUCKS, \$2.00 each. Eggs, 12 for \$1.00. WHITE RUNNER DUCK Eggs, 12 for \$3.00. The cheapest price in the South. Order now and save one-half. Good stock only. Fair treatment and prompt shipment.

**MUNNIMAKER POULTRY FARM : Normandy, Tenn.**

## NUSZ'S ROSE COMB RHODE ISLAND REDS and WHITE RUNNER DUCKS

PRIZE WINNERS. HEAVY WINTER LAYERS. BEST BLOOD LINES.  
Eggs, \$2.00, \$3.00 and \$5.00 per setting. Write for free catalogue.

**MRS. H. R. NUSZ : : Cecilian, Kentucky**

## MAPLE HILL POULTRY FARM

We breed Blue Ribbon Strain S. C. WHITE LEGHORNS, S. C. BROWN LEGHORNS, "RING-LET" BARRED ROCKS, GIANT MAMMOTH BRONZE TURKEYS, ROSE COMB RHODE ISLAND REDS, SINGLE COMB RHODE ISLAND REDS. Our breeding pens this year are headed by prize winners at Morristown, Tenn., and Shelby, N. C., in 1911. If you want something that will win, write us.

**MRS. R. B. FURMAN PROPRIETORS MRS. MARY F. SKEENE**  
Route No. 1, Box No. 23, MORRISTOWN, TENNESSEE

## "QUINTESSANT" ANCONAS, Greatest Winter Layers

Chicks hatched from my "Greatest of All Layers" will lay in five months. Get eggs now. Express prepaid. Safe delivery guaranteed.  
H. E. PORTRUM, Rogersville, Tenn.

ing the past decade. The value of poultry increased 54.3 per cent and the total number of fowls increased 15.4 per cent. The average number of fowls per farm reporting was 22 at both census years.

### Arkansas.

The summary on poultry shows that the total number of farms reporting the different kinds in 1910 was 183,816, the total number of fowls being 5,788,570, and the total value \$2,063,000.

Of the total number of farms reporting poultry, nearly all, or 183,480, reported chickens, numbering 5,182,670, valued at \$1,682,000; 20,955 reported turkeys, numbering 83,550, valued at \$107,000; 18,323 reported ducks, numbering 109,483, valued at \$35,900; 38,094 reported geese, numbering 343,993, valued at \$162,000; 11,010 reported guinea fowls, numbering 52,287, valued at \$16,100; and 1,491 reported pigeons, numbering 16,339, valued at \$3,339. There were also reported ostriches, valued at \$56,500; peafowls, valued at \$274; and wild geese, valued at \$5.

Of the whole number of farms in the State those returning chickens were 85.6 per cent; geese, 17.8 per cent; turkeys, 9.8 per cent; ducks, 8.6 per cent; guinea fowls, 5.1 per cent; pigeons, 0.7 per cent; and all others, less than one-tenth of 1 per cent. The number of Arkansas farms reporting poultry increased 26,894, or 17.1 per cent, and the value increased 34 per cent; but the total number of fowls decreased 5 per cent. This decrease is found in all classes. The average number of fowls per farm reported decreased from 39 to 31.

### Florida.

The summary on poultry shows that the total number of farms reporting the different kinds in 1910 was 40,658, the total number of fowls being 1,326,271, and the total value \$674,000.

Of the total number of farms reporting poultry, nearly all, or 40,637, reported chickens numbering 1,239,680, valued at \$571,000; 4,670 reported turkeys, numbering 22,871, valued at \$31,300; 823 reported ducks, numbering 6,218, valued at \$3,739; 2,985 reported geese, numbering 29,556, valued at \$16,400; 3,071 reported guinea fowls, numbering 19,927, valued at \$7,570; 274 reported pigeons, numbering 7,875, valued at \$4,401; 12 reported peafowls, numbering 52, valued at \$173; and 4 reported ostriches, numbering 92, valued at \$39,300.

Of the whole number of farms in the State, those returning chickens were 81.5 per cent; turkeys, 9.4 per cent; guinea fowls, 6.2 per cent; geese, 6 per cent; ducks, 1.7 per cent; pigeons, 0.5 per cent; and peafowls and ostriches, each less than one-tenth of 1 per cent. The reported increase in the value of poultry on Florida farms in the 10 years of 1900 to 1910 was 70.8 per cent; the increase in the total number of fowls, 12 per cent. The number of farms reporting poultry increased 16.3 per cent; thus the number of fowls per farm reporting decreased slightly.

### Mississippi.

The summary on poultry shows that the total number of farms reporting the different kinds in 1910 was 221,490,



the total number of fowls being 5,070,116, and the total value \$1,847,000.

Of the total number of farms reporting poultry, nearly all, or 221,153, reported chickens, numbering 4,563,464, valued at \$1,550,000; 6,226 reported turkeys, numbering 92,448, valued at \$132,000; 10,118 reported ducks, numbering 44,228, valued at \$17,900; 28,612 reported geese, numbering 236,781, valued at \$106,000; 22,921 reported guinea fowls, numbering 107,650, valued at \$34,500; 1,460 reported pigeons, numbering 25,417, valued at \$6,385; 44 reported peafowls, numbering 118, valued at \$342; and 1 reported 10 wild geese, valued at \$50.

Of the whole number of farms in the State, those returning chickens were 80.8 per cent; geese, 10.4 per cent; guinea fowls, 8.4 per cent; ducks, 3.7 per cent; turkeys, 2.3 per cent; pigeons, 0.5 per cent; and peafowls and wild geese, each less than one-tenth of 1 per cent.

The number of Mississippi farms reporting poultry increased 33,928, or 18.1 per cent, and the value increased 11.6 per cent, but the total number of fowls decreased 13.2 per cent. This decrease is found in all classes. The average number of fowls per farm reported decreased from 31 to 23.

#### LICE AND MITES.

A number of years ago the writer bought a small farm with a few small buildings thereon. All very good. The chicken house—"Oh!" that house, and "Oh!" ye lice. They hung in clusters and bunches on the walls overhead, roosts and everywhere. Suffice to say, we got busy. We used every known remedy—whitewash, coal oil, sulphur smudge, tobacco water, several lice remedies—all to seemingly no effect. At last my good wife and I paused for breath; talked over this and that scheme, and at last decided to try strong salt water.

We drove to the city and bought a peck of loose salt. Used twelve pounds dissolved in hot water, put it on with a sprayer good and plentiful. Those mites were simply crystalized. Never have we had any more trouble with lice or mites. We use nothing else, excepting a tablespoonful of sulphur in mash twice a week for fifty birds. Have a care; do not use too much sulphur, or eggs and flesh will be tainted.

Use slack lime in bottom of nests, together with a few moth balls, and when you set "Biddy" be sure to put two or three moth balls in nest. Hen and chicks will come off perfectly clean. With us it does not seem to affect the hatch; in fact, it has proven a benefit. What fluffy, bright, healthy little dots we do have.

The foregoing precautions have been in use at Cottage Home Gardens for past seventeen years.—W. R. Teepest, Route 6, Knoxville, Tenn.

F. B. McBride, a prominent farmer of Montgomery County, Georgia, is proud of his hens, which have laid for him the prize freak eggs of the year. One of them is shaped like a pecan, with well defined ridges, and the other resembles a crooked-neck gourd.

The Industrious Hen can supply you with any Poultry Book published.



## 125 Egg Incubator and Brooder

Both For \$10

Why pay more than our price? If ordered together we send both machines for only \$10.00, and pay freight charges East of Rockies. Hot water, double walls, dead air space between, double glass doors, copper tanks and boilers, self-regulating. Nursery under egg tray. Incubator and Brooder shipped complete with thermometers, lamps, egg-testers—ready to use when you get them. Five year guarantee—30 days trial. Incubators finished in natural colors showing the high grade California Redwood lumber used—not painted to cover inferior material. If you will compare our machines with others offered at anywhere near our price, we will feel sure of your order. Don't buy until you do Money back if not satisfied. Send for FREE catalog today, or send in your order and save time. Write us today. Don't delay. (12) **WISCONSIN INCUBATOR CO., Box 57, Racine, Wis.**

## BARRED P. ROCKS

We believe that we have the best stock in the South. Write for our mating lists and be convinced. Both Matings. :- :- :- :- :- :-

### CAVE CITY POULTRY YARDS

P. O. Box 204, : : : ABINGDON, VIRGINIA

## TERRELL'S S. C. R. I. REDS

Bred for utility, also fancy points. My birds have been winners since 1904 at such shows as Aberdeen and Meridian, Miss.; Nashville and Bristol, Tenn.; Augusta and Atlanta, Ga.; Houston and Marshall, Texas; Charleston, S. C.; Birmingham, Montgomery and Mobile, Ala.; also in the hands of my customers at many big Southern shows, such as Dallas and Ft. Worth, Tex.; Oakland, Cal., and Portland, Ore. EGGS—Special mating, \$3.00—half price after May 1st. Some fancy cockerels, pullets; also good breeding stock for sale.

L. K. TERRELL, Birmingham, Ala.

## White and Buff Orpingtons

Combined Winnings at Augusta, Newnan, Columbus and Atlanta—1st, 2d and 3d pen; 1st, 2d, 4th and 5th cockerel; 4th cock; 1st, 2d and 5th pullet; 1st, 2d, 3d and 5th hen. Nine specials, including two handsome cups. EGGS—\$15, \$10.00, \$7.50, \$5.00 for 15.

V. A. HAM, - - - Newnan, Georgia



## Rogers' Money-Back POULTRY PUNCH

Made on correct principles—works easy—does not bruise the foot and you can see what you are doing. Guaranteed satisfactory or your money back. Plain finish, 25c; Nickel Plated, the very best made, 35c. From your dealer or sent on receipt of price.

T. W. ROGERS - Box H - Lamont, Iowa

## CRYSTAL WHITE ORPINGTON EGGS

We will not offer you a single egg this year that is not from a pen headed by a prize-winning bird. Get our Mating List and look it over, and we are quite sure we will get your egg order.

WHITE FEATHER FARM, Route 1, Liberty, Indiana

## SPECIAL BARGAINS

To close out all surplus stock at once, I am offering great bargains in extra fine White Wyandottes, S. C. White Leghorns, Buckeyes and Buff Cochin Bantams; hundreds to select from. Eggs for hatching from above breeds and Indian Runner Ducks. Pedigreed Collie Pups for sale. Write your wants. I can please you.

MRS. H. P. HINTON : Route 6, Dallas, Texas

## "QUINTESSENT" ANCONAS---THEY WIN

Winners at the last great Madison Square Show, Philadelphia, Baltimore, Knoxville and elsewhere. Express prepaid. Safe delivery guaranteed. H. E. PORTRUM, Rogersville, Tenn.

## Single Comb RHODE ISLAND REDS

Eggs from pen, all prize winners, only \$2.00 per 15. Big, vigorous, farm-reared hens, pullets and cockerels, \$1.00 each. Order from ad., or write us. BALLEW BROS., Route 2, New Decatur, Alabama



# RHODE ISLAND REDS

ROSE AND SINGLE COMB

At the Great Appalachian Exposition Show, Knoxville, won first pen on both Rose and Single Combs, special for best pen from Georgia, all breeds competing, and special from Rhode Island Red Club for best pens, both combs. Also best sweepstakes pen at Tennessee State Fair, all breeds competing. A limited number of sittings will be sold from these two prize pens. If you want the best in Rhode Island Reds you had better let me book your order for a sitting.

BARRETT PHINIZY

Athens, Georgia

# BLACK MINORCAS

Best Flock in the South. Proven by winning for ten years in largest shows. More first and special prizes than any competitor. Best blood lines of BARRED and WHITE PLYMOUTH ROCKS, Pure White and Fawn and White INDIAN RUNNER DUCKS. My birds have won over 350 prizes. Eggs, \$2.00 to \$15.00 setting. Mating List free.

C. H. LEDFORD,

:-:

Atlanta, Georgia

BARRETT'S BLUE RIBBON STRAIN

# MOTTLED ANCONAS

Are the kind that win and lay. Also S. C. WHITE ORPINGTONS and INDIAN RUNNER DUCKS. Eggs \$2.00, \$3.00 and \$5.00 for 15. Duck eggs \$1.50 for 15. Stock in season. Write me your wants.

L. M. BARRETT : : Morristown, Tennessee



We won at big Jacksonville Show, nine firsts, of ten offered on REDS.  
We can help you win anywhere if you breed LAKEMONT STRAIN

# S. and R. Comb R. I. REDS

Some of the best quality Reds in the South can be found in our 140 Red matings. YOU WANT PROMPT SERVICE, so we aim to fill all orders for stock or eggs in 24 hours. Orders for Baby Chix filled in rotation. Largest flock of Red Breeders in the South, using three farms. Over 500 acres for our Reds, S. C. White Leghorns and Indian Runner Ducks. Write for "The Big 3" catalogue.

Dept. A,

Winter Park, Florida

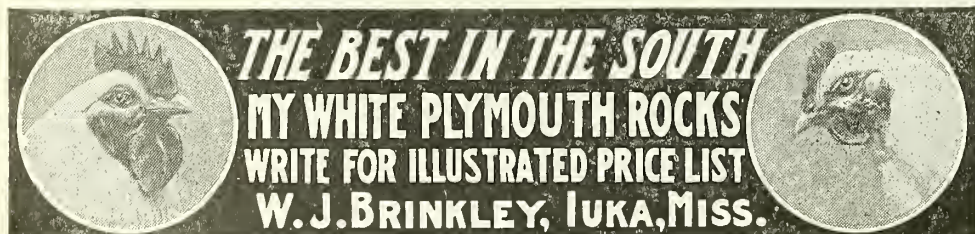
# Single Comb Buff ORPINGTONS

If you want the kind that lays every day in winter and wins in every show, try my Imported Gold Medal Strain. Price of Stock—Males, \$5.00 to \$20.00, Females, \$3.00 to \$10.00. Eggs \$3.00 and \$5.00 per 15, all the time. Write your wants.

MRS. LULA LAWSON,

Route 4, Box 19,

Cleveland, Tenn.



FOR THE VERY BEST FANCY AND UTILITY

# WHITE PLY. ROCKS

The largest and best MAMMOTH PEKIN DUCKS. The greatest Squab producing Pigeons are the CARNEAUX—We have them in both Red and White Splashed, (the best in existence strains). Stock of the above for sale. Eggs for hatching.

COXYETTA POULTRY FARM, Box 64, Massillon, Ohio

# The Problem of Feeding

By E. W. GOOD, Richmond, Ind.

Industrious Hen readers are cordially invited to send me a list of what they want to feed for eggs. I shall be pleased to arrange the same for best results. Get in touch with me and I will help you in your feed problem. Do not hesitate to ask any question on the subject. I will answer you as plainly as I can.

All feeds that fall below a given nutritive ratio standard are safe to place in an open hopper, and the hens allowed to help themselves to same. For example, wheat bran, the gluten feeds, mangel wurtzels, etc. In fact, nearly all by-products of grain and meat feeds are safe to place before your hens at all times.

All feeds that run wider than any given standard are not safe to serve from an open hopper. They must be intelligently mixed with a narrow feed to average the desired ratio for egg ration. That's what I am up to.

To produce eggs at all seasons, barring moulting time only, there are three different kinds of feed necessary—green, animal, and grain feeds. There are many kinds of greens relished by fowls; likewise of grains; a good variety of meats to select from. In these United States there are no less than 100 different kinds of feeds. A proper combination of three or four of them is necessary to make the hen cackle. I do not recommend a very large variety of grains at one time. One or two meat feeds are enough; two or three kinds of greens will do. From six to ten different feeds will make a good variety of rations.

In harmony with what has been stated, I will give you a ration of three feeds:

Corn ..... 43 pounds  
Beef scraps ..... 6 pounds  
Mangle wurtzel . . 52 pounds

Reduced the above would stand about:

1 part of beef scraps.  
4 parts corn.  
5 parts mangel wurtzel.

By adding wheat to the above you may call it the "Big Four Ration." That, of course, necessitates a different formula:

Corn ..... 51 pounds  
Wheat ..... 39 pounds  
Beef scraps ..... 10 pounds  
Mangel wurtzel . . 54 pounds

The above should be fed in the following proportions:

1 part beef scraps.  
4 parts wheat for scratch.  
5 parts corn.  
5 parts mangel wurtzel.

Of course, anyone wanting a larger variety can have it by letting me know. Let it be understood that I do not want to occupy all the space. I want you to write a letter telling me what you want to feed and I will answer you through the columns of The Industrious Hen. Come, gentlemen, your next move. Poultrywomen included.



## Duck Department

By C. I. BALLARD, White Pine, Tenn.

J. B. I., Greenville, S. C.

"Seeing so much in the poultry press in regard to Indian Runner ducks, I would like all the information you can give me in regard to them:

First—"How many varieties are there of Indian Runner ducks?" Ans.—There are three varieties—fawn and white, which are the original Indian Runners and are known here in the United States as the English Runners. The fawn part of the plumage of the male is a solid fawn color on breast and top of back, lower part of back and head markings a dark brown color. Female a fawn with an indistinct penciling on fawn part of plumage; head marking and lower part of back same shade of fawn as breast. Second variety—light fawn and white, which is an American production, not fawn and white as hundreds call them. This variety is the only one that has been admitted to the Standard, which calls for light fawn and white, with head and lower part of back as near body color fawn as you can get. Bills of both varieties yellow spotted with green when young. Green when full grown with a black bean. Third variety—pure white in all sections with yellow bill and absence of a black bean.

Second—"With reasonable care, how many eggs will they average per duck in one year?" Ans.—With good care and proper feed in flocks or units of 25, they will average 200 eggs each in one year.

Third—"Do Indian Runners have white diarrhoea, lice or gapes?" Ans. They have neither gapes, white diarrhoea or lice, and are the easiest of any poultry to raise and require less attention.

### A Record Duck.

The Long Beach Poultry Ranch, Los Angeles, Calif., had an Indian Runner duck on exhibition at the recent Los Angeles poultry show that is no doubt the champion egg-laying fowl in the world. She is four years old and has a record of 337 eggs in one year.

### It Pays to Advertise.

Who says it doesn't pay to advertise. A recent San Francisco paper reproduces a want ad which had been published in September, 1893, reporting the loss of three rings at the Buffalo exposition. Strange as it may seem the ad did not reach the eyes of the finder until just recently, and the owner is now having her rings restored to her lost eighteen years ago. Truly it pays to advertise. Better try an ad in The Industrious Hen.

### INDIAN RUNNERS—THE IDEAL BIRD FOR SUBURBS.

It has always been accorded the farmer's wife the undisputed privilege of a nice flock of chickens whereby she may earn her necessary pin money, or even help supply the more substantial needs of the home. This privilege is often denied her suburban sister be-



CEDAR LAWN

## S. C. Buff Orpingtons

Won at Chattanooga show, Dec. 11-16, 1911, 128 Buff Orpingtons competing, fourteen ribbons, including four firsts. Also six specials, including \$25.00 Cup for best pen in English class. EGGS—Special Matings, \$5.00 and \$3.00 per 15; Utility, \$2.00 per 15, \$10.00 per 100.

MATING LIST FREE

## CEDAR LAWN POULTRY YARDS

C. A. Sienknecht, Prop.

Rossville, Georgia

## WHITE ROCKS

WE ARE offering wonderful quality in eggs for hatching this year at \$2.00, \$3.00 and \$4.00 per fifteen. These eggs come from our first prize winners at the Kentucky State Show, 1911, and Louisville, Ky., Show, 1912, and are bound to produce winning chicks. THESE EGGS WILL HATCH, for our

### "BLUE GRASS STRAIN"

WHITE ROCKS have free farm range from chicks on up and are exceptionally vigorous and healthy. Remember this strain produces all it's winners. Write for new "6x9" catalogue and mating list.

**R. L. JAMES,**

Route 5, Box H, LEXINGTON, KY.

## PATTERSON FARM

### WHITE PLYMOUTH ROCKS AND S. C. BUFF ORPINGTONS

The fact that my birds have won over forty prizes including five cups and cash specials in three shows this fall, should determine the real quality of the Patterson Farm birds. Nothing but high class stock. Every bird sold shipped on approval. We still have for sale good breeding and exhibition birds and our prices are right. Would be glad to quote you our prices.

PATTERSON FARM,

:-:

:-:

:-:

Fitzgerald, Ga.

## ORPINGTONS---Buff, Black and White

WINNERS WHEREVER SHOWN...Thirty-five firsts this season at such shows as the Appalachian Exposition at Knoxville and the Chattanooga show. At Morristown, got special for best display of Buffs. Numerous specials and other prizes at these big shows. Eggs, stock and baby chicks for sale. For prices, write

MILLETT'S ORPINGTON FARM, Johnson City, Tenn

## HOUDAN EGGS

Two fancy pens mated. Each individual a prize winner. They will hatch sure winners for you. I ship nothing but select eggs.

T. B. SMILEY : : Matthews, Indiana

## WHITE WYANDOTTES and S. C. WHITE LECHORNS

BABY CHICKS—\$15.00 per 100; special prices on 500 or more. EGGS—\$1.50 per 15, or \$7.00 per 100; prize matings, \$3.00 per 15. Few choice White Wyandotte cockerels, \$3.00 each.

IGLOE FARM, R. E. Craddock, Mgr. : : Route 1, Lynchburg, Va.

## ORPINGTONS

WRITE TODAY for my book on Orpingtons, Mating List, and sample copy the Orpington Magazine. Some bargains in breeding stock.

CHEVIOT FARMS, : : R. 13, Cincinnati, Ohio



KELLERSTRASS' STRAIN

SHEPPARD'S STRAIN

## WHITE ORPINGTONS AND MOTTLED ANCONAS

Settings for sale now. Prices reasonable. Write us your wants.

COLE & GEORGE, Members International Ancona Club. 33 West End Place, Atlanta, Ga.



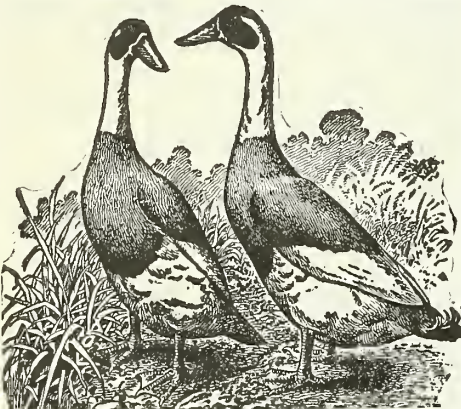
# Ballard's Strain INDIAN RUNNER DUCKS

**MORE IN THE STRAIN THAN IN THE BREED**

Why look further when it has been proven beyond a doubt that Ballard's Strain of Indian Runner Ducks are the greatest egg producers in the world—no fowls excepted. A certified egg record of over 225 eggs each per duck in one year. Remember to ask when breeders claim a high egg record, can they give a certified egg record. We give facts, not hot air. At the great Appalachian Exposition, 1910, we won all firsts except one. This year we won 1st, 2nd and 3rd old drake; 1st and 2nd old duck; 1st, 2nd and 4th young drake; 1st, 3rd, 4th and 5th young duck. 14 ducks entered. 94 ducks competing, including Tennessee State Fair 1st prize winners. On White Runners we won the 1st old duck, 1st young duck and 2nd old drake, only 4 entered. Two of the largest White Runner breeders competing. Some extra fine exhibition drakes for sale. Remember you can't win without Ballard's Strain. Sold the Hon. Wm. J. Bryan trio at the Exposition; pronounced by him to be the best he ever saw. Standard Bred S. C. WHITE LEGHORNS and S. C. BUFF ORPINGTONS, the best layers to be found. Eggs cheap. Day old ducklings and chicks a specialty. Write for catalogue.

**NOLA CHUCKY POULTRY FARM, Clayton I. Ballard, Prop.**

**WHITE PINE, TENNESSEE**

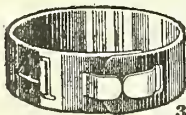


## INDIAN RUNNER DUCKS

My ducks are not the best in the world, but your money back if not satisfied. Eggs from English standard, or utility strain, \$1.50 per dozen; from American Standard or light fawn, \$3.00 per dozen. Reference, any bank or business man in Knoxville.

**JO H. BROYLES**

Box 780 KNOXVILLE, TENN.  
Shipping Point, Rockford, Tenn.

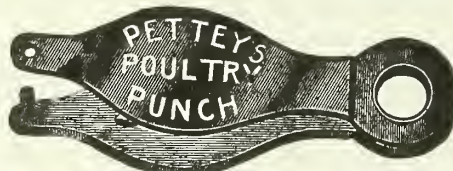


**The FAVORITE BAND  
THE BEST IN THE WORLD**  
12 for 15c, 25 for 25c, 50 for 40c,  
100 for 65c.

**CHAS. L. STILES**  
30 Columba Bld. COLUMBUS, OHIO

cause chickens, true to their nature, crave freedom and exercise, and these together work havoc to neighboring gardens, flower beds, etc. Thus, it usually happens that after a season or two of constant anxiety on the part of the suburban housewife, to say nothing of the loss of eggs by laying outside home domains, the loss of chicks by the neighbors' dogs and cats, and last, but not least, the loss of valued friendships occasioned by roving hens, she readily admits that the suburbs are not adapted to chicken raising, gives up in despair and sells her stock.

Since raising the Indian Runner duck, that popular bird which bids fair to supplant the hen even on the farm, I have noted their splendid qualities which make them especially adapted to the suburbs, and I have longed to herald the glad news to our



All steel, nickel plated; punches clean, hole is right size; will not bruise the foot. Price 25c at your dealers, or from

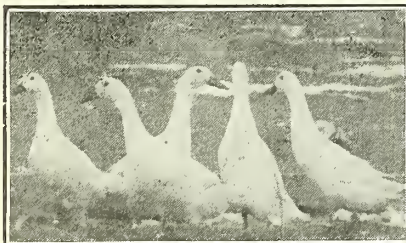
**J. O. PETTY, Box 155, Belvidere, Illinois.**

discouraged and disconsolate sisters with limited area. These wonderful birds need no vast range, no high fences to confine them, but are perfectly content in close quarters—as many as 36 doing well in a 40x50 foot pen—and a two foot poultry fence is sufficient to keep them in. They require no elaborate houses, doing best out of doors in pleasant weather and needing only a cheap shelter for the cold winter nights. They use no nests as they drop their eggs on the ground, and, unlike other ducks, they do not require running water.

These qualities alone should commend them to all interested in poultry culture, but when added to this is the fact that they lay more and better eggs than the hens, and the further fact that they are never bothered with lice and other vermin, are free from sickness and disease, it will be clearly understood why they are the most talked-of birds in the South today.

The ducklings are easy to care for and grow rapidly, being ready for market in eight weeks. Their meat has a finer flavor than that of other ducks and their medium carcass makes them much in demand.

A prettier sight cannot be shown poultry lovers than a flock of the American Indian Runner ducks. Their beautiful fawn and white color, their erect carriage, racy appearance and quick movements give them a grace all their own, and in view of their immense popularity and ready sale, it will pay anyone to at least investigate these veritable "egg machines" and learn more of their nature and profitable habits. The half has never yet been told.—Mrs. Ike Baker, Antioch, Tenn.



## Rhodes' White INDIAN RUNNER DUCKS

**ORIGINATOR OF THE RHODES STRAIN**

Great layers of large white eggs. Can spare a few choice breeders. Eggs, \$5.00 per 12.

**MRS. A. N. RHODES : New Castle, Indiana**

# Reduced Price on Stock and Eggs

**AFTER APRIL 1st**

We will sell eggs—15, \$2.00; 30, \$3.50 50, \$5.00; 100, \$8.00 from the following breeds: BARRED, BUFF and WHITE ROCKS; S. C. BLACK MINORCAS, RHODE ISLAND REDS and BUFF ORPINGTONS. From BROWN and WHITE LEGHORNS and INDIAN RUNNER DUCKS—15, \$1.50; 30, \$2.75; 50, \$4.00; 100, \$7.00; 1,000, \$65.00.

STOCK—White, Barred and Buff Rocks, Rhode Island Reds, Single Comb Black Minorcas, Buff Orpingtons and Black Orpingtons—females, \$2.00; males, \$4.00. White Leghorns—\$1.75 for females, and \$3.50 for males. Brown Leghorns—\$1.50 for females, and \$3.00 for males. We need room for young stock, hence the sacrifice in price. We guarantee safe delivery and good hatch. Order direct and save time. Ask for our catalogue, which is free.

**Southern Poultry Farms, LaGrange, Ga.**



# White Wyandottes, Buff Orpingtons, I. R. Ducks



Third prize White Wyandotte cock, Madison Square Garden, New York, December, 1911.

## Note the Winnings at Augusta and Atlanta in the Two Strongest Shows Ever Held in the South

AUGUSTA, Nov. 6.—Buff Orpingtons, second pen on one entry. White Wyandottes, first pullet, best bird in show, best pullet, whitest bird and best pullet in Wyandotte class.

ATLANTA, Jan. 8-13, 1912—Buff Orpingtons, second and third cockerel, second pullet, second and fourth pen; National S. C. Buff Orpington Club Cup for best display. White Wyandottes, first cock, second and fourth cockerel, second and fourth pullet.

## A Few High-Class Young Birds for Sale Mating List Now Ready

**E. E. MACK, Breeder, Thomasville, Ga.**



Second prize Buff Orpington cockerel, at Atlanta, January, 1912.

## EXPERIENCES WITH POULTRY AND VERMIN.

After fifteen years experience with poultry I, with thousands of others, am on the beggar's list for a remedy for lice. A recent contributor tells us that carbolineum is a sure cure for mites but most disappointingly concludes his letter by declaring that it will not rid the fowls of body lice.

One of our much advertised and marvelously successful poultry plants in their book on poultry calmly states that the dust from the straw in the scratching shed is sufficient to keep the hens clean. My experience refutes that statement with avidity. I recently introduced an entirely new stock of chickens on our place, and having read that the dust bath was a sure remedy for the body lice, I felt perfectly secure and rejoiced in the fifty-ton pile of wood ashes which they made such vigorous use of.

Great was my consternation, how-

ever, when later in the spring my little chickens began to have the "sleeping sickness," and an examination of a thoroughly greased head revealed ten large head lice on a six weeks chicken. How fully did I realize then that all the "chicken book" says is not true, even if the "Wheating Co." does make a net profit of \$5.98 per year on each hen.

Just such books as these have caused so many innocent on-lookers to sink their hard-earned dollars in model poultry plants, and with a wonderful and fearful ignorance of the whole business, lose their entire investment. Two such instances have come under my personal observation, and strange to say, a bulletin was written by the manager of one of these places, adopted by the State Experiment Station and distributed as reliable information. Fortunately, the bulk of the bulletin was copied from the writings of some one who did know.



Will bring you a copy of "Hen and Chicks," the best poultry book ever published, and THE INDUSTRIOUS HEN, the South's best poultry journal, for two years. Send the money the most convenient way to

**INDUSTRIOUS HEN CO.**  
KNOXVILLE, TENNESSEE



Exterior view of the incubator cellar, with offices over, on the plant of Bacon & Haywood, Guyton, Ga., breeders of White Leghorns, Buff Orpingtons and White Plymouth Rocks. In this cellar is located a 6,000-egg Hall Mammoth machine, which is now at work, and this firm is prepared to ship baby chicks from these varieties at any time. This firm has made some very creditable winnings at the South's leading shows, and if you are in the market for these varieties, you should write them.



# Fowls Cured Cheaper Than Buried

**Oculum is the most successful preventive and curative known for Cholera, White Diarrhea, Gapes, Roup and Sore Head. Experience proves Oculum never fails.**

I cured a case of infectious Canker in a \$200 cockerel, followed by the worst case of Chicken Pox I ever saw, with Oculum. I inoculated all of my chickens last year and have seen no evidence of White Diarrhea, and have never had them to grow so rapidly.—OSCAR E. MILES, Columbus, Ohio.

Oculum cured a bunch of chickens that were bad with White Diarrhea. Others of the same bunch that were not treated with Oculum took it and died.—LEROY RICE, Massillon, O.

Oculum is a positive cure for Chicken Pox, Canker and Scaly Legs.—F. A. TECKTONIUS, Racine, Wis.

Oculum will cure Cholera, Roup, White Diarrhea and Gapes in their worst stages.—CLAYTON I. BAL-LARD, White Pine, Tenn. (10)

Here's a sure-shot *curative and positive remedy* for diseases that are annually *killing* thousands of dollars' worth of *valuable poultry*. Oculum is used and endorsed by the largest, most successful poultry raisers in the country—people who would refuse to bother with or endorse anything but *genuine merit*.

Oculum cures the most aggravated cases of the diseases named above. Two or three drops injected in rectum of fowl passes quickly into the blood, inoculates the fowl and makes it absolutely *proof* against the *tolls* of these profit-draining pestilences.

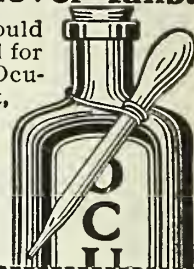
Also, Oculum renews vitality, builds weight, beautifies plumage, keeps out lice and increases egg yield.

We absolutely *guarantee* the effectiveness of this wonderful curative remedy and tonic.

**FREE** Testimonial and Circular giving Government Diagnosis of Cholera and White Diarrhea—

**Hancock Inoculum Co., Inc., Dept. M, Salem, Va.**

All poultry raisers should have this **Diagnosis**. Send for it. Ask your dealer for Oculum. If he can't supply it, send a *dime* for sample, 50c for bottle or \$1 for large bottle. Money refunded if Oculum fails to make good.



**Use Coupon Today!**

Hancock Inoculum Co., Inc., Dept. M Salem, Va.  
Please send Oculum and directions for use, according to your money-back-if-not-satisfactory terms, as per size checked below.

Name \_\_\_\_\_

Address \_\_\_\_\_

☐ Sample  
10c size.

☐ 50c  
size.

☐ \$1.00  
size.

## The World's Best Winning Strains Buff Rocks, Buff Cochins and Red Pyle Game Bantams

Our birds made exceptional winnings at Memphis, Atlanta, Augusta, Birmingham and Hagerstown, Md. Eggs from championship matings, \$10.00 per 15; exhibition matings, \$5.00; good matings, \$3.00. 10 Chicks Guaranteed. No cheap birds, but grand ones reasonable.

**WONDERLAND POULTRY FARMS**

JNO. L. SMITH, Prop.

241 Peters Street, Atlanta, Ga.

## "OLD DOMINION" WHITE WYANDOTTES

Just won first cock, second hen, third pullet and third pen Falls Church Poultry Show. Great winter layers, strong and vigorous. Stock and eggs for sale at reasonable prices.

Satisfaction guaranteed. Member Falls Church Poultry Association.

T. C. RICH, - - East Falls Church, Virginia

## S.C.R.I. REDS COLUMBIAN WYANDOTTES S.C.W. ORPINGTONS INDIAN RUNNER DUCKS

(OWEN STRAIN)

EGGS FOR SALE. BIRDS FOR SALE. WRITE FOR PRICES.

J. A. LENTZ, - - Hickory, North Carolina



## S. C. White LEGHORNS

BRED FOR EGGS

Stock and eggs for hatching. Nothing except birds perfect in shape, size and color and with heavy laying records kept in our breeding houses. Eggs from best matings, \$5.00 per 15; eggs from 2nd best matings, \$2.00 per 15; eggs from utility matings, \$1.00 per 15. Write for prices on stock. Orders filled promptly and satisfaction guaranteed.

Sunny Hill Poultry Farm, F. W. Outlaw, Prop., Gallatin, Tenn.

## Single Comb BROWN LEGHORNS

Won 1st cockerel, 1st hen, sweepstakes cup, International show, Atlanta, Ga., Dec., 1911; 1st cockerel, 1st pen, Indianapolis, 1912. Eggs for hatching from prize-winners, \$1.50 up. Guaranteed fertile. Also have S. C. Rhode Island Reds and Indian Runner Ducks. Mating list free. L. P. MATTHEWS, Thorntown, Ind.

## HOUDANS "Worth While," The Winning Strain. At Nashville, Tenn., they won 1-2-3 cockerel; 1-2-3 pullet; 3-4 hen;

1-2-3 cockerel; 1-2-3 pullet; 1-3 cock; 2-3 hen; 1st pen. If you want winners, write me. DR. G. G. BILLMAN, Box H, Evansville, Indiana

Now to my experiments! Becoming desperate on the subject of the large grey head lice, I proceeded to exterminate them, with the result that during the space of two weeks, I was very much afraid that I had exterminated my flock of White Plymouth Rocks. I used the kerosene-emulsion formula used in spraying trees with the addition of a little crude carbolic acid diluted with twelve gallons of water. I immersed each fowl in this bath one warm day in June and then for two whole weeks my petitions had an unwonted fervency that my beautiful chickens should be spared to me.

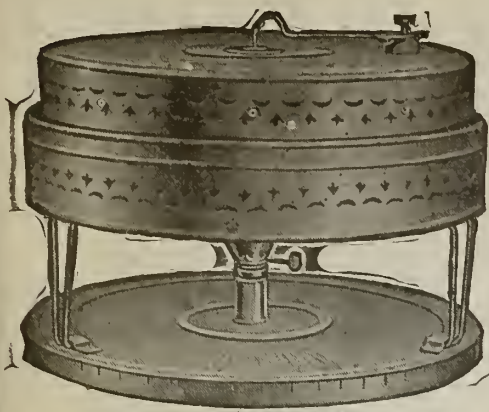
My prayers were answered except for one old rooster, and a pullet that has had to spend her remaining days with a wry neck. I have not given up hope, however, and will continue to experiment, as it seems to me that there should be no more necessity for high-class poultry having lice than for high-class people having bed-bugs.

There should be some way to exterminate them so that there would not be any more except when introduced by other poultry, which of course would not be hard to control. One of our correspondents says that lice, like the poor, we will have with us always, and the only thing we can do is to keep them in check; but I pray that it may be given some one to provide this boon to poultry and humanity a "sovereign remedy," that is a genuine, bonafide article, that will really do the work without injury to the flock.—Brookfield Farm, Mrs. W. A. Tanner, 625 Alabama St., Bristol, Tenn.

## ARE YOU TURNING POULTRY FEED INTO CENTS OR DOLLARS?

If B. H. Greider, of Rheems, Pa., charged \$1.00 for his poultry book, everybody who bought would get their money's worth. But he doesn't charge \$1.00. Greider's book has helped make fortunes for hundreds of poultry men and farmers. His book has over 100 illustrations—many in natural colors—tells all about hatching, breeding and marketing poultry products—a veritable gold mine on how to make money from chicks. Mr. Greider charges only 15c for his wonderful book—it's certainly worth ten times that much, in our opinion. Price list free. The book quotes low prices for thoroughbred stock, hatching eggs, incubators and brooders. None of our readers will go amiss sending for this booklet.





## HATCH YOUR CHICKENS

With a new 1912 Cycle or Brooder Hatcher. Our new discovery makes poultry keeping easy and profits sure. Our machines were used in the original Philo System Plant where over \$1500 from 60 hens in ten months has been cleared from the sale of eggs, baby chicks and fowls. One of the largest plants in America saved over \$700 by using our system of brooding. We sell the best brooder ever made for \$2.50.

One party hatched and raised \$500 worth of poultry last year with four Metal Mothers, and hundreds of others are delighted with our machines and our new way of raising poultry. Our combination machine hatches and broods perfectly at the same time with only one lamp and one-fifth the oil used in other machines. Once filling the lamp completes the hatch. It runs as steadily as a clock in any room, from cellar to garret, and our Long-Burning Safety Lamp runs on for weeks without attention. It is the only machine that airs the eggs in the natural way and applies the heat to chickens like the mother hen.

Write to the nearest office for catalogues, or we will mail one from our main office at Elmira, N. Y.

**SAVE FREIGHT CHARGES** by ordering direct from nearest branch office,

Cycle Hatcher Co., Aulander, N. C. Cycle Hatcher Co., Houston, Texas. Cycle Hatcher Co., Des Moines, Iowa.  
 Cycle Hatcher Co., Atlanta, Ga. Cycle Hatcher Co., Denver, Colorado. Cycle Hatcher Co., Lake Preston, S.D.  
 Cycle Hatcher Co., Jacksonville, Fla. Cycle Hatcher Co., Norwood Park, Chicago, Ill. Cycle Hatcher Co., Oakland, Calif.  
 Cycle Hatcher Co., New Orleans, La. Cycle Hatcher Co., St. Louis, Mo.

**3142 Main Office: CYCLE HATCHER CO., Elmira, N. Y.**

### QUEER CASE OF EGG-BOUND.

The following case of egg bound seems to me to be so rare and the circumstances surrounding the case so unusual that I think the matter is worthy of space in your valuable magazine. Last Thursday we discovered one of our White Orpington hens crouched up in one corner of the pen unmistakably ill. Upon examination it was found that she had a large, hard growth in the region of the egg bag. Prior to Thursday morning she had shown no symptoms of illness and was as active as the others in the same pen.

We immediately began treatment for egg bound, but without results. Finally we decided that pressure from without was the only method of removing the obstruction and this we did. The hen died under this treatment. When cut open, a mass of egg material, the size of a big potato, was found in the egg bag. The color and consistency was that of the yolk of a hard-boiled egg. The mass was egg shaped, about four inches in diameter one way by six inches in diameter the long way.

In the center of the mass were found two parts of a perfect egg, one-half of which seemed to have been crushed. Apparently the egg had been broken in the efforts of the hen to pass it. Surrounding the broken egg in the center were several other partly formed eggs and these were enveloped in layer after layer of the yellowish material.

The indications are that the formation of this mass had been going on for weeks, but no evil effects were noticeable until last Thursday as related above.

The hen was one that we purchased together with several others last fall

and, to our knowledge, had not laid any since that time. She did not show any of the symptoms of an egg-bound chicken at any time.

The case is an unusual one in our experience and we believe is something very unusual. We should be glad to hear of any other similar instances and the remedies that should be used.

Hoping that this will appeal to you as of sufficient interest to merit attention and publication, we remain, yours very truly.—Cole & George, Atlanta, Ga.

### "THE PLYMOUTH ROCKS."

The sixth edition of a book entitled "The Plymouth Rocks" has recently been published by the Reliable Poultry Journal, edited by W. C. Denny. It treats of the practical qualities of Standard-bred Barred, White, Buff, Silver Penciled, Partridge and Columbian Plymouth Rocks, giving standard requirements, based on the latest American Standard of Perfection. The best known and most expert Plymouth Rock breeders in America have contributed to this book, telling how to judge, mate and breed the different varieties for best results. The subjects of line breeding and of single and double mating are carefully handled. This book is fully illustrated by F. L. Sewell, A. D. Schilling, I. W. Burgess and H. G. Froby, and contains full page pictures in natural colors of the Barred, White and Buff varieties, reproduced from Sewell paintings. Price of "The Plymouth Rocks" is \$1.00 postpaid. In combination with a yearly subscription to The Industrious Hen we furnish the book at \$1.25. Send your order to Industrious Hen Co., Knoxville, Tenn.

## BROWN POULTRY FENCE

**STOCK STRONG—RUST PROOF**

**Costs No More Than Netting**  
 yet will last five times as long. Made of extra heavy double galvanized, Rust Proof wires. No top or bottom boards and less than half the posts required. Chick Tight—Bottom wires only 1 inch apart. We have 160 styles, also Lawn Fences and Gates. We can save you money. Send for Catalog. The Brown Fence & Wire Co. Dept. 37 Cleveland, O.

**WE PAY THE FREIGHT**

## S. C. WHITE MINORCAS

EGGS—\$2.00 per 15

## Partridge WYANDOTTES

EGGS—\$1.50 per 15

## INDIAN RUNNER DUCKS

EGGS—\$1.00 per 15

All Prize Winners Blount County Poultry Show, 1912

**W. B. IRWIN**

MARYVILLE, : TENNESSEE

## ELLIOTT'S BLACK LANGSHANS, HOUDANS, WHITE CORNISH, WHITE ORPINGTONS, BANTAMS AND INDIAN RUNNER DUCKS

THAT HAVE WON OVER 500 PRIZES THIS SEASON

Eggs—\$2, \$3 and \$5 per 13. Have in my yards winners at Madison Square Garden, New York State Fair, Hagerstown, Appalachian Exposition, Southern International and other shows. I also breed exhibition White Indian Runner, Mammoth Pekin, Crested White and Muscovy Ducks, Mammoth Bronze and White Holland Turkeys, Toulouse Geese and White African Guineas. Some good breeders in each variety at attractive prices. Circular and prices sent on application.

**FLYNN ELLIOTT**

Route 6, Charlotte, N. C.

# WHITE WYANDOTTES

We can offer you grand stock and eggs for hatching from one variety, WHITE WYANDOTTES, the heavy winter layers. Eggs from the best matings ever put together. Line-bred breeding stock of the greatest producing merit, and properly mated to produce winners for you. First pen at Tennessee State Fair, in the strongest competition ever seen in the South. Third pen, third cockerel, third pullet, at the great breeders' show, the Southern International Poultry show, Atlanta, Ga., was awarded a handsome Silver Loving cup for the second best display in show. Was competing with the biggest breeders in the world today.

Excellent bargains for March, April and May. Get our mating list for 1912—it's free. Express charges will be prepaid on all orders amounting to \$10.00.

"We congratulate you, Mrs. Ligon, on your success at the December Georgia show. Your string of birds were superb. Hope you will be with us again next year. I. M. Poole, Secretary The International Poultry Association."

**BEECH HILL POULTRY FARM,**

F. K. HEWLETT, Manager, Station B, Route 8, Nashville, Tenn.

**MRS. L. A. LIGON, Prop., Carthage, Tenn.**

State Secretary to the National White Wyandotte Club.



# BARRED PLYMOUTH ROCKS

Eggs for sale from matings that are grand in utility and fancy qualities. If you want eggs that will hatch and develop into strong, vigorous, prize winning, paying birds, we have them. We have pleased others. We can please you. Give us a trial. Write for show record and description of matings.

**WOLF CREEK POULTRY YARDS, M. H. SMITH, Prop., Box 242, Abingdon, Va.**

## — Rendotte Strain of — WHITE WYANDOTTES

Are the kind that produce results, either in the show room or the laying house. A few surplus cockerels for sale at prices that will move them. Now booking orders for eggs for March, April and May delivery. Also a few pair of genuine Old English Runners for sale at \$5.00 per pair.

**J. H. REYNOLDS**

P. O. Box 300 I, : Atlanta, Georgia



## Mammoth Bronze TURKEYS For Sale

Old and young stock from two magnificent flocks, mated for largest size and best plumage. When buying be sure you buy the best. My breeding toms for six years have weighed from 43 to 50 lbs. at 18 and 20 months of age. Won many prizes in the leading shows, scoring from 96 to 97½ points. I can furnish you young stock that will grow that way for you. Do not delay buying your breeding stock early. Also Barred Plymouth Rock Chickens from the best prize-winning blood. Eggs in season. Member A. P. A. MRS. J. C. SHOFNER, Booneville Poultry Yards, Route 1, Mulberry, Tenn.

## S.C. WHITE LEGHORNS

FARM - BRED STRAIN



Bred with inborn tendency to lay—long, deep bodies, low tails, pure white, healthy, vigorous. Bred and fed on scientific principles; reared under natural, congenial environments. And while I breed more especially for utility purposes, my birds have a good show record. Stock and eggs for sale.

CHICK-A-DEE FARM, J. A. Dinwiddie, Prop., New Market, Tenn.

## CHEROKEE POULTRY FARM

Breeders of S. C. BUFF, WHITE and BLACK ORPINGTONS

We have COOK'S IMPORTED STRAINS direct. If you want good birds that will win in any show, get your eggs from us. BUFF—Pen No. 1, \$7.50 per 15; Pen No. 2, \$5.00; Pen No. 3, \$3; Pen No. 4, \$2; Pen No. 5, \$1.50. WHITE—Pen No. 1, \$7.50. BLACK—Pen No. 1, \$7.50.

MRS. JEROME TEMPLETON, Owner

I. L. WHITTLE, Manager

Old Phone 1472

Rural Route 2, KNOXVILLE, TENNESSEE

## COLE'S STRAIN OF S. C. WHITE LEGHORNS

has the true Leghorn Type throughout. As to their laying qualities, they have been bred by me for ten years, and if they did not lay, they got off the job. Chickens that were hatched in May were laying in October. I guarantee to ship you just what you order. If interested, let me hear from you.

C. T. COLE, : : Marion, Virginia

## Indian Runner Ducks and Buff Leghorns

I am better prepared to give you good birds than last season. BUFF LEGHORNS are direct from first prize winners at Appalachian Exposition, Knoxville, Tenn., 1910. Also won first on pen, first on cockerel, Appalachian Fair, Newport, Tenn., 1911. My INDIAN RUNNERS are as good as the best. Win wherever shown. Eggs at all times. Stock all sold. Write me.

BEN CALFEE : R. 7, Morristown, Tenn.

## HILLCREST FARMS == SILVER CAMPINES

The most persistent layers known. We imported our original Stock direct. Madison Square Garden winners, 1911. Eggs, \$4.00 and \$5.00 per Sitting.

WM. F. FOTTERALL, Prop.

Box 5, Oakford, Pa.

## A VISIT TO THE POULTRYMEN OF NORTH CAROLINA.

(Continued from page 454.)

them. And let it be said to their credit, that the representatives of the poultry press were never accorded better treatment in any show room than that given by these gentlemen. They made you feel that your presence was really appreciated and desired, a circumstance rarely met.

Orpingtons, as we said heretofore, was the leading breed in the show, closely followed by Rhode Island Reds and White Leghorns. As the awards of this show appeared on page 281 of the January issue, we will not go into any details. However, we would not do the show justice did we not mention the quality of some of the birds exhibited. Out of 1,000 birds in this show, only three were disqualified, and that certainly speaks well for the quality of the exhibits taken as a whole. A Buff Orpington hen, owned by C. D. Forney, of Morganton, was certainly the best we have seen this year; she not only won first at this show, but at every show exhibited before or since, including the Appalachian Exposition and Atlanta. The first cock, first hen and first pen in White Orpingtons, owned by E. D. Yoder, of Hickory, were grand specimens, as was also the first cock in Buffs, owned by W. I. Davis, of Morganton. Geo. E. Bisanor came over from Hickory with a grand string of White Leghorns, winning three firsts, including pen. E. F. Munford, of Blumont, won first on a pen of Barred Rocks in a hot class; and a pen of Single Comb Reds, owned by Dr. J. W. Lasley, of Burlington, was easily the sensation of the show. Mrs. J. C. Deaton, of Landis, won first on a pen of Rose Comb Reds that were hard to beat in any competition. There were two or three instances where really good birds fell down by not being in proper condition. Especially was this true of a Single Comb Red cock, owned by Dr. W. A. Leslie, of Morganton, which was pronounced by everyone to be one of the best specimens of the year, but which was in the midst of the moult.

If early predictions count for anything the Burke Poultry Association will pull off one of the biggest shows ever held in North Carolina this year. They are making preparations right now for such an event, and have already engaged Percy Cook, of Scotch Plains, N. J., to judge the Orpingtons, and R. L. Simmons to judge the balance. We trust Tennessee breeders—and those of other States, too—will not overlook Morganton when they show this year.

While in Morganton we had the



honor of meeting Messrs. R. L. Patton and J. M. Payne, two gentlemen of the old school. Mr. Patton is a breeder of White Leghorns, and the father of J. C. Patton, editor of the Charlotte News. Mr. Payne is the father of Prof. Bruce Payne, head of Peabody College at Nashville, and known to every Tennessean.

#### POULTRY FANCIERS LOOKING THIS WAY.

F. A. Goodlin, traveling representative of The Industrious Hen, has returned from a tour of ten states. He traveled as far south as Florida, and north to Indianapolis. Talking of his observations, he said the poultry industry is on a boom in the South, and developments are most wonderful. Many people in the North would like to locate in the vicinity of Knoxville to engage in poultry breeding. One experienced breeder in an Indiana city wants to secure two or three hundred acres of suitable land near here. Many people in the North say the South will soon be the leading poultry raising section in the United States, owing to the splendid climatic conditions.

Mr. Goodlin was at the big poultry show at Jacksonville, Fla., and said it was a great success. He said the people of that state are just beginning to realize the advantages they have for the successful breeding of poultry, and production of eggs.—Knoxville Journal and Tribune.

#### ARE YOU WITH US?

Nashville will entertain the American Poultry Association in August in a manner that will be pleasing to every member who may attend. Nashville extends an invitation to every poultry breeder in Tennessee and the South to help her entertain this great organization which is doing so much for the poultry interests of this section of the country. We want to show the breeders of the North and East and West the splendid opportunities offered in the South for successful poultry raising. We want the breeders of the South to come to Nashville and meet the breeders of the other sections of the country and feel that a great gathering at Nashville of the representative breeders of every section of the nation will do more for the industry in the South than any convention or meeting that has ever heretofore been held.

JOHN A. MURKIN,  
JAMES M. FRANK,  
E. L. DOAK,

Committee on Entertainment American Poultry Association, Nashville, 1912.

The Industrious Hen, Knoxville, Tenn., devoted their February number to A. P. A. matters and boosting for Nashville for the next A. P. A. convention. It certainly was a great issue and contained many strong articles on why Nashville should have the convention. We hope that Nashville will get it. The Kentucky Branch will vote for Nashville.—Poultry Ideas, Louisville, Ky.

#### ENGRAVED CALLING CARDS

WITH PLATE, \$1.25 per 100.

S. B. Newman & Co., Dept. B, Knoxville, Tenn.



PRATT FOOD CO., Dept. 17 Philadelphia, Chicago, Toronto.

**Pratts,**

#### White Diarrhoea Remedy

Save the little fellows this season with Pratts White Diarrhoea Remedy

All dealers will instantly refund purchase price if it fails. 25c. and 50c.



## FRANK'S S. C. RHODE ISLAND REDS

Won Best Cockerel in Show, 1909. Won Best Cockerel in Show, 1911

At Nashville, Tenn., Tennessee State Fair. Won first cockerel, Memphis, 1910; won second cockerel, Nashville, 1910. All these males now head my pens. Eggs from \$2.00 up. Write for Catalogue and Special Offer.

**JAMES M. FRANK : Nashville, Tenn.**  
OPPOSITE MAXWELL HOUSE, ON FOURTH.

## PRESCOTT'S ORPINGTONS

**BUFF, BLACK, WHITE, and DIAMOND JUBILEE**

WON AS FOLLOWS:—At New York, Dec., 1911, won 6th cock, 6th hen, 4th pullet, and 4th pen in Buffs; 1st cock, 1st hen, 3d pullet and 5th cockerel in Diamond Jubilees. At Boston, Jan., 1912—Buffs, 3d and 4th hen, 2d pullet and 5th pen; Blacks, 1st cockerel, 1st pullet, 5th pullet, on three entries; Whites, 3d cock, 5th hen, 3d cockerel, 6th pullet and 2d pen; Diamond Jubilees, 3d cock, 1st hen, 1st cockerel, 1st pullet. These grand birds are all in my mating yards. Orders for eggs will be made up from all the pens of the variety selected. Our terms are 60 cents per egg, \$30.00 per 50, and \$50.00 per 100.

**HENRY B. PRESCOTT**

**NO. BOX 25 : : DERRY VILLAGE, N. H.**  
SEND FOR MATING LIST. STOCK FOR SALE.

#### HACKETT'S GAPE CURE

KILLS THE WORM AS WELL AS THE GERM



T.C. HACKETT  
REGISTERED HILLSBORO, MD.



THE NEW WAY.

#### IT'S A POWDER

The chicks inhale it. Kills the worm as well as the germ. Whole brood treated in five minutes. NOTICE—Send us 35c, stamps or money order for a full sized package by mail, postpaid. If you are not satisfied, drop us a postal saying so, and your money will be returned without question. When writing, ask about our other poultry remedies. Price to dealers upon request. Address

HACKETT'S GAPE CURE CO.,  
Dept. H. HILLSBORO, MD.

## S. C. BUFF ORPINGTONS

IF YOU WANT SOME GOOD BUFFS, WRITE ME, and I will try to please you, as I have a few birds for sale. Write me and I will tell you about them. Eggs after February 1st. Place your order at once.

#### WESTLAWN POULTRY YARDS

J. C. DENNIE, Manager

Sweet Briar Avenue, NASHVILLE, TENN.

## White Rocks, S. C. White Leghorns

For quality my White Plymouth Rocks cannot be surpassed. They have won wherever exhibited, including all the best shows in the South. Have won over 100 prizes, in the hottest competition, at Atlanta, Appalachian Exposition, Augusta, Asheville, Greensboro and other first-class shows. Eggs from these birds, \$3.00 for 15. In S. C. White Leghorns I have the very best that can be secured, and my show record shows that I have Quality stock in this breed. Eggs from same pens that I hatch my winners, \$2.00 for 15. Quality counts. You may beat these prices, but the Quality never.

WM. H. BURCH,

P. O. Box 850-H, Charleston, S. C.



# Why Do Dealers Sell Buckeye Incubators?

*Over 1000 aggressive merchants in every state in the union sell and recommend Buckeye Incubators.*

Why? Because they know that every Buckeye they sell will fulfill our guarantee to



## Hatch Every Hatchable Egg

and remain in perfect working order for five years. The merchant *must know* that the merchandise he sells is exactly as represented.

Satisfied customers are his biggest asset!

That's why the best merchants in the country are selling and recommending Buckeye incubators.

Significant fact— isn't it?

Buckeye Incubators have been on the market 21 years and there are over 225,000 in successful operation today.

Made in 50 egg, 60 egg, 110 egg and 220 egg sizes.

## Sold As Low As \$8.00

Send us your name and address on a post card and we will send you free a copy of "Incubator Facts," a copy of our five year guarantee and the name of your nearest dealer— where you can examine a Buckeye and see it in operation.

**The Buckeye Incubator Co.**  
525 Euclid Avenue, Springfield, Ohio

*"Anybody can hatch chickens with a Buckeye."*

1912  
Buckeye  
"Standard"

## Egg-Laying Competition

Thirty-two eggs were laid by one pen of fowls entered in the Philadelphia North American International Egg-Laying Competition, now being conducted at Storrs Agricultural Experiment Station, Storrs, Conn.

This remarkable lay, 32 out of a possible 35, was made in the twentieth week, ending March 19, by a pen of S. C. Rhode Island Reds. Two pens, one of White Rocks, and one of S. C. Rhode Island Reds, each laid 30 eggs. Two pens, one Barred Rocks, and one of White Orpingtons, laid 29 each.

Two pens of Barred Rocks, one pen of White Wyandottes, one of Rose Comb Reds and two of White Leghorns, all laid 28 eggs each.

Ten pens laid 27 eggs each and eleven pens laid 26 eggs each, with 25 eggs to each pen becoming quite commonplace.

For the week the total lay was 2,310, or 67.3 per cent. Some of the individuals have made good records. Buff Orpington No. 1 has laid thirty-nine eggs in forty-two days, and White Orpington No. 3 has laid thirty-three eggs in thirty-five days.

Another important feature is the general increase in the White Leghorns. Twenty-six eggs was the previous high record held by this variety. In the last week two pens laid twenty-eight each, four twenty-seven each and six laid twenty-six each.

The White Wyandottes have started plunging. One pen with twenty-eight eggs, and two others following with twenty-seven each. Among the several varieties, Barred Rocks, Columbian Wyandottes, Minorcas, Buff Leghorns, Anconas, Buttercups and others are rapidly going up the scale.

With a gain of 152 eggs over the previous week's yield, it is safe to predict that broodiness, the desire to reproduce the species, will soon materially affect the lay, either keeping it at a standstill or reducing it to some extent.

The total lay in the competition by weeks is as follows:

First week .....	91
Second week .....	199
Third week .....	315
Fourth week .....	369
Fifth week .....	423
Sixth week .....	514
Seventh week .....	625
Eighth week .....	696
Ninth week .....	819
Tenth week .....	875
Eleventh week .....	779
Twelfth week .....	786
Thirteenth week .....	982
Fourteenth week .....	1211
Fifteenth week .....	1415
Sixteenth week .....	1639
Seventeenth week .....	1892
Eighteenth week .....	1992
Nineteenth week .....	2148
Twentieth week .....	2310

The standing to date of the leaders follow:

S. C. White Leghorns, 395.
S. C. White Leghorns, 341.
S. C. Rhode Island Reds, 336.
S. C. Rhode Island Reds, 333.
S. C. Rhode Island Reds, 331.
White Wyandottes, 329.

# White ORPINGTONS

WINNERS AT LEADING AMERICAN SHOWS.

Owner of "Lady of Quality," the \$1,000 hen. Stock that will win for sale. Eggs, \$5.00, \$10.00 and \$15.00 for 15. Catalog free.

**J. S. BRADY : : Parker's Landing, Pa.**

## White Orpingtons

(KELLERSTRASS)

## Mottled Anconas

(SHEPPARD)

EGGS—First pens, \$5.00; second pens, \$3.00; third pens, \$2.00 for 15. All infertile eggs replaced. Baby Chix for sale.

**C. C. WIGINGTON : Morristown, Tenn.**

# EGGS=== \$2 Per Sitting of 13

S. C. White and Brown Leghorns, White Wyandottes, Barred Plymouth Rocks, Houdans, Black Minorcas, Light Brahmas, Cornish Indian Games and S. C. Rhode Island Reds. Large Pekin and Indian Runner Duck eggs, \$2.00 per 11. Send for folder. It's free. Exhibited ten birds at the great Southern International Poultry Show, Atlanta, Ga., and won three firsts, three seconds and three thirds, 4,500 birds competing. Also won at Baltimore, Md.

**NEVIN POULTRY YARDS, Wardin Bros., R. 7, Charlotte, N. C.**

## Standard Bred S. C. White Leghorns

D. W. Young's Strain.  
Not one drop of any  
other blood. EGGS

AND STOCK FOR SALE. Mating  
List now ready and it's Free.

**S. F. SHALLCROSS, Box 12, Odessa, Del.**



# Incubator News and Notes

## MAKING POULTRY RAISING AN ASSURED SUCCESS EVEN FOR THE BEGINNER.

There is big money in raising poultry. Every year this line becomes more of a specializing vocation. Farmers who ten years ago thought of this "chicken business" as bothersome and unprofitable have turned their time and attention—or at least a part of it to this—and our records show that in practically every instance the farmer who has gone at this thing right has made large profits.

Today it is no longer a question of being an experienced poultryman; any intelligent farmer or farmer's wife can now make the biggest kind of a success if this business is only started off in the right manner. Incubator manufacturers, alone, have made it easier for the beginner than anyone else. They have striven to give the farmer and his wife the very best and surest kind of a hatcher for the least possible outlay of cash and they have brought the artificial hatching machines to such a standard of perfection that very few cases of "failure" are heard of any more.

One manufacturer of incubators that we know of makes a machine that proves so un-failing and successful that thousands of beginners—both men and women—have been able to assure themselves of success before they invested a cent of money in the poultry business. This machine is the X-Ray Incubator, made at Wayne, Nebraska.

The X-Ray Incubator is totally different from any incubator on the market today. This we noticed right away when we were looking over the various makes of hatching machines, and probably it was these distinctive features of the X-Ray Incubator more than anything else that riveted our attention on this particular machine.

Yes, the X-Ray Incubator is different from all other makes—the writer knows that to be a fact. No lamp is to be seen on the side of the X-Ray as is seen in practically all other machines. The lamp used by the X-Ray people is placed underneath the egg-chamber, square in the center, where it belongs, they say, and consequently there can be no "cold side" or chilled corners as with the old-fashioned idea of placing the lamp on the side.

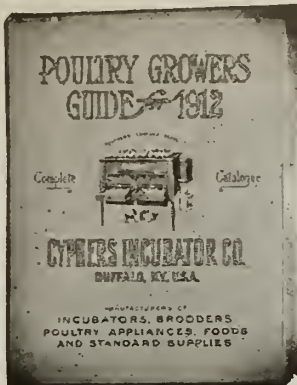
In talking about the X-Ray Incubator an old poultryman said: "I am not much on these new-fangled ideas or innovations, so-called, but when it comes right down to money-making features and horse sense the X-Ray Incubator is the best thing I ever saw. Why, just figure it out for yourself. Supposing you were going to build a house, would you plan to put your furnace on the outside of it and pipe all the heated air through long pipes into your house? Certainly you wouldn't—and no other man would either that knew anything about heating. The heat's got to be under your house. I tell you, and if you think it over a moment you will realize that I am right. Now this is just the same principle that these X-Ray people down there at Wayne, Nebraska, have built into their hatcher. They have got the right idea—and they are showing all these poultry fellows and farmers that they are right."

The old poultryman continued: "I have been raising chickens, or trying to raise them now for more than twenty-five years, and I never yet knew of any artificial hatcher that proved so successful as that X-Ray machine with its big lamp placed smack under the egg-chamber."

Two double-glass panels form the top of the X-Ray Incubator. Just look through the top any time and the eggs can be seen. There is no lifting of the tray—no chilling of the eggs and ruining the hatch with the X-Ray. Eggs are never taken out of the X-Ray. Many other features are found on this machine that make it a "sure thing" for the beginner to get the biggest and best results.

The X-Ray people make, also, a Brooder that seems to be just as popular and successful as their incubator. This Brooder is built on practically the same principles as the incubator, having the big lamp underneath and the visible brood chamber. The heat coming from the X-Ray Brooder's big lamp is carried directly to the top of the brood chamber—going to the four corners—and then being passed out of the ventilating tubes. The X-Ray Brooder has a large, well-lighted place, always warm and ready to warm up the little chicks whenever they feel shilly or cold. Heat in the X-Ray Brooder is regulated automatically so that it requires no time or trouble whatever

## EVERYTHING FOR POULTRY-KEEPERS



We manufacture more than one hundred articles for up-to-date, progressive poultry-men and women. Every article warranted to be as represented and guaranteed to give satisfaction or money refunded. Standard goods we manufacture and sell include following:

<b>Incubators</b>	<b>Laying Mash</b>	<b>Pigeon Supplies</b>
<b>Brooders</b>	<b>Short-Cut Alfalfa</b>	<b>Lice Powder</b>
<b>Brood Coops</b>	<b>Mealed Alfalfa</b>	<b>Roost Supports</b>
<b>Chick Shelters</b>	<b>Full-Nest Egg Food</b>	<b>Roosting Paper</b>
<b>Brooder Stoves</b>	<b>Nodi Charcoal</b>	<b>Spray Pumps</b>
<b>Leg Bands</b>	<b>Poultry Remedies</b>	<b>Powder Guns</b>
<b>Caponizing Sets</b>	<b>Napcreol (Disinfectant)</b>	<b>Wire Fencing</b>
<b>Chick Food</b>	<b>Anti-Fly Pest</b>	<b>Bone Cutters</b>
<b>Developing Food</b>	<b>Egg Preservative</b>	<b>Chick Markers</b>
<b>Growing Mash</b>	<b>Fumigating Candles</b>	<b>Bone Mills</b>
<b>Fattening Mash</b>	<b>Drinking Fountains</b>	<b>Root Cutters</b>
<b>Scratching Food</b>	<b>Grit and Shell Boxes</b>	<b>Nest Eggs</b>
<b>Fertile Egg Mash</b>	<b>Food &amp; Water Holders</b>	<b>Poultry Books</b>

Our Complete Catalog for 1912 consists of 244 pages, 7½x10 inches, and contains an illustrated description of all goods we manufacture. Eight valuable chapters on "Cyphers Company Way" of increasing egg-yield, producing prime table poultry, etc. Latest labor-saving devices and money-making ideas. FREE, postpaid, to any address if you mention that you saw our advertisement in this paper. Address Home Offices, or Branch Store nearest you.

**CYPHERS INCUBATOR CO., Dept. 13, BUFFALO, N. Y.**

Branch Stores and Warehouses { NEW YORK, N.Y. BOSTON, MASS. CHICAGO, ILL. KANSAS CITY, MO. OAKLAND, CAL.  
23 Barclay St. 12-14 Canal St. 340-342 N. Clark St. 317-319 S.W. Boulevard 2127 Broadway

## HIGHLAND ROCKS

The Best in WHITE and BARRED. That's All.

Winners at Pittsburgh, Hagerstown, Baltimore, Reading, Sunbury, Hanover, Atlanta, New Orleans, and the leading quality shows. 15 Baby Chicks and Brooder, \$5.00. Baby Chicks and eggs for hatching. Special, one setting, \$5; two, \$8; three, \$10; 100, \$20. Write us now—today.

**HIGHLAND FARM, 1010 W. Princess St., York, Pa.**

## READ THIS!

At the great Southern International Poultry Show, Atlanta, Ga., which was the largest and most wonderful show ever held in the South, my WHITE PLYMOUTH ROCKS won all first prizes, winning over many noted breeders. Also winners at the Indianapolis Quality Show, February 1912. Eggs and stock for sale at all times. Satisfaction guaranteed. Write your wants.

**MARTIN F. SCHULTES**

748 South Barksdale St.

Memphis, Tenn.

**WHITE PLYMOUTH ROCKS**

<b>Barred Plymouth Rocks</b>	<b>White Plymouth Rocks</b>
<b>S. C. White Leghorns</b>	<b>S. C. Buff Orpingtons</b>
<b>S. C. Black Minorcas</b>	<b>S. C. Black Orpingtons</b>
<b>R. C. Black Minorcas</b>	<b>S. C. White Orpingtons</b>
<b>Fawn Ind. Runner Ducks</b>	<b>Bourbon Red Turkeys</b>

FREE RANGE. SEVEN FARMS

Exhibition and utility stock. 100 regular and special prizes won during season of 1911-12 in leading Northern shows. A limited number of birds yet for sale. Eggs from special exhibition pens and utility stock. WRITE FOR MATING LIST.

**WAYNE POULTRY FARMS, C. W. Henderson, Prop., Waynesville, Ohio**

## Langford's Remedy for White Diarrhoea

A positive and guaranteed remedy for White Diarrhoea or bowel trouble in chicks and for cholera in fowls. Sold under a guarantee to cure or refund your money. Try it and raise practically all of your chicks. It will save you hundreds of dollars. Puts life into incubator chicks. Can you afford not to try it? Send for circular, or \$1.50 for bottle

**FRANK LANGFORD : Route 10, Nashville, Tenn.**





S. C. WHITE LEGHORNS, INDIAN RUNNER DUCKS, RUFUS RED, BELGIAN HARES.

Stock and Eggs for sale at all times. Send 3c in stamps for booklet and catalogue, tells how to make these breeds pay.

Kling & Hawkins, Poultry Yards and Rabitry. Box "E"

Meridian, Miss.



## I'll Start You and Keep You Going Right in the POULTRY Business

My World-famous high-quality incubators and brooders, and my Free Poultry Lessons make success easy and sure for you!

### SUCCESSFUL INCUBATORS AND BROODERS

are made right and with the free advice and lessons I give my customers no one can possibly fail to make the biggest hatch of strongest chicks. Write me. A postal brings all facts, book, prices and proposition. *"Proper Care and Feeding of Chicks, Ducks and Turkeys"*—sent for 10c. J. S. Gilerest, Pres. Des Moines Incubator Co. 364 Second St., Des Moines, Iowa

### Your Name Will Get \$2 Eggs For 50 Cents Per Sitting

The White and Brown Leghorns are the greatest layers in the world. I keep 2000 of the celebrated Chamberlain laying strains on my Experimental Farms, and to increase the sale of my Perfect Chick Feed, I will send to any one who will send me their name so I can send them my Perfect Chick Feed Catalogue, 2 sittings of Single Comb Brown or White Leghorn Eggs for \$1 for the 2 sittings. Not less than 2 sittings sold. White or Barred Plymouth Rock or Rhode Island Reds or Silver or White Wyandotte or Rose Comb Brown Leghorn or Single Comb Black Minorca Eggs, \$1 per sitting. W. Orpington Eggs, \$2 per sitting, 13 to a sitting. Large white Pekin Duck Eggs, \$1 for 10 Eggs. Indian Runner Duck Eggs, \$2 for 10 Eggs. This is a rare chance to get a start of extra fine stock. Send Post Office order on St. Louis and have your orders booked early. Get our prices on Old Trusty Incubators, freight prepaid. W. F. CHAMBERLAIN, (The Perfect Chick Feed Man) KIRKWOOD, St. Louis County, MO.

DIRECT FROM MILLS TO FOWLS



Foods  
Raise  
Chicks

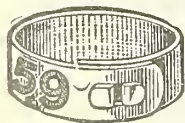
Because they are made just right, of the best sound, sweet grain, vegetable and animal mixtures. No grit, screenings, field seeds or any kind of filler—just pure, wholesome food—balanced to produce flesh, muscle, bone and fast growth. Freight prepaid. Send for our Food Booklet. Our Free Food Hopper offer will interest you.

Knollenberg Milling Company,  
Dept. G. QUINCY, ILL.



### White Diarrhoea!

Two boxes guaranteed cure, 25 cents. J. C. Fishel says, "It does the work." CHEVIOT SUPPLY CO., Drawer 14, Cincinnati, Ohio.



IDEAL ALUMINUM LEG BAND  
To Mark Chickens  
CHEAPEST AND BEST  
12 for 15c; 25-20c; 50-35c; 100-60c.  
Sample Band Mailed for 2c Stamp.  
Frank Myers, Mfr. Box 50, Freeport, Ill.

## NOTICE

I shall not be able to enter any more orders (pullet line) \$10.00 per sitting for shipment during the month of

APRIL

Can furnish high quality eggs, pullet or cockerel line, \$3.00 sitting, two for \$5. Circular free.

J. H. HENDERSON  
KNOXVILLE, TENN.

Breeder Brown Leghorns Since 1890

by the owner for watching and worrying about the little chicks.

The X-Ray people have just gotten out a booklet for the enlightenment of poultry raisers. They call it the X-Ray Book No. 25. Write for this book today and get all the interesting and scientific facts about these money-making life producers. The book is mailed free upon request for it.

### H-P CHICK FOODS.

The chick season is here again and many poultry raisers at this time are figuring out how to raise their chicks to maturity with as little loss as possible. Some writers assert that thirty millions of chicks die annually. However that may be, it is safe to assume that many more could be raised if the little fellows were fed more suitable food. We are pleased to call your attention to the line of Chick Foods made by the Knollenberg Milling Co., Dept. G, Quincy, Ill. These foods are clean, sweet and wholesome and are well suited to the chick's delicate organism. They contain steel cut oats, cracked rice, millet seed, cracked wheat and other grains cracked to the right size. They are very nutritious and contain just the food elements so necessary for the proper development of the little chicks into healthy, vigorous stock. Write to them for full particulars of these freight prepaid foods.

## Our Breeders and Their Birds

F. B. CRAWFORD, Rahway, N. J.

The poultry plant of F. B. Crawford, is located at Rahway, N. J., where he has been for years increasing his plant and flock of birds until he has at this time 25 grand pens mated for the egg and baby chick trade.

Every bird on the plant has been selected after rigid examination, because it came close to filling the standard requirements of its variety. Only birds of superior merit have been retained, and the majority of these pens are all composed of birds that have proven their quality by winning prizes in some of our important shows. The list of prize winners includes such shows as Madison Square Garden, Camden, Trenton, Washington, Passaic, Bristol and Scranton, in which shows his birds have been winners of a large number of first prizes, including many special prizes. These birds are right and results from them are assured. Several years have been devoted to the utility qualities of this strain and they are prolific in filling the egg basket.

In perfecting his flock of birds, Mr. Crawford has always paid particular attention to the stamina and vigor, and only healthy specimens have ever been retained in the breeding pens; hence, strong, vigorous stock has always been produced. The plant is well equipped with numerous poultry buildings, all of the pens are carefully yarded, and, in fact, it is an ideal poultry plant. Abundant help is provided and the eggs in cold weather are gathered several times a day so that they do not become chilled. All eggs are carefully packed and are guaranteed to reach their destination in good condition. Every order sent out from this plant is guaranteed to be as represented or money refunded.

Ample arrangements have been made to incubate many thousands of eggs, and parties desiring day-old chicks or eggs for hatching from Buff, Black and White Orpingtons, White Wyandottes, White Rocks and S. C. Rhode Island Reds, can have their wants promptly supplied by Mr. Crawford. He is making a special price on Buff and Black Orpington baby chicks. He has just issued a handsome catalogue profusely illustrated with 19 cuts of his plants and birds. Many of his prize winners are illustrated and full description is given of each one of his 25 breeding pens. Among these 25 pens will be found one or two in each variety which are exceptionally fine birds, in some of which every bird is a first prize winner, and many prize winning specimens are to be raised from these pens.

This catalogue will give you a very good idea of Mr. Crawford's stock and it is free for the asking. If interested in any of the above varieties, you should send for this catalogue. In writing to Mr. Crawford, please mention The Industrious Hen.

## "Adam" Bone Cutter

The "Only One" with Ball Bearings

Cuts faster and better. Cuts green bone crisp and fine. Easiest running—free from friction—simplest—easiest to clean—knives of best tool steel—every part interchangeable. Cuts the hardest bone, root vegetables, etc. Hens fed with green bone, (cut fine) lay twice as many eggs and have better plumage and health. The Adam will pay for itself in three months.

Send For Free Book

about Adam Bone Cutters, (several models, hand and power) Perfect Poultry Leg Bands, (27 kinds) Stock Marks, etc. Wm. E. Pratt Mfg. Co. Room 133, 35 W. Lake St. CHICAGO, ILL.

PERFECT POULTRY LEG BANDS

## PARRISH

Originated the Light Brahma-  
White Wyandotte Cross

## Columbian Wyandotte

If you want the best in this breed, you had better see my catalogue before buying. I have furnished winners for shows in nearly every state in the union.

## T. REID PARRISH

Licensed Poultry Judge

N. Sta., Nashville, Tenn.

## S. C. BUFF LEGHORNS

In the South's largest shows I have proven that

### QUALITY WINS

and to the victor belongs the spoils. Winners of the majority of blue ribbons and specials at BIRMINGHAM, NEW ORLEANS, AUGUSTA, TUPELO, GADSDEN and TALLADEGA.

Eggs from exhibition matings, \$3.00 and \$5.00 per setting. Write me your wants.

B. A. STOREY, Talladega, Ala.



# EAST END ORPINGTON YARDS

SINGLE COMB WHITE EXCLUSIVELY

To make room for young stock, birds from my breeding pens can now be bought at a very low price. They must go. Better write at once if you want the best at give-away prices. Eggs, \$2.50 per 15, taken from all pens. Send for catalogue—it is free.

Member American White Orpington Club.

JOHN J. HASKELL, East Falls Church, Virginia

## EADY'S S. C. RHODE ISLAND REDS



Winners at many leading shows—Birmingham, Mobile and Gadsden, Ala.; Houston, Texas; Meridian, Miss., and Tullahoma, Tenn. At the Alabama State Fair, 1910, we won three Cups—two Club cups, one the Rhode Island Red Club of America for the best winnings. Won the National Single Comb Rhode Island Red Club cup for the best pen of Reds. Won the other cup for the best cock, cockerel, hen and pullet. We won first pen at the Alabama State Fair, at Birmingham, three years in succession. We have won six cups in the last three years.

Pens mated Jan. 1st. Eggs from \$1.00 to \$3.00 per setting of 15. Send your order today; the early bird makes the bird for the show room. Some good stock on hand to sell at a reduced price.

We are breeders of Rough Coated Scotch Collie Dogs. Full pedigree furnished with every dog. We have on hand now two litters of pups ready for sale, black with white marking or sable with white markings. Write for prices.

C. W. EADY

Guntersville : Alabama

## SINGLE COMB WHITE ORPINGTONS

From the leading strains of America. Prices reasonable. Every egg guaranteed. Write today.

THOMAS H. KETTIG

R. R. 22, Box 106-D, Louisville, Ky.

### CHOICE POULTRY YARDS.

Choice Poultry Yards, Waynesville, N. C., write us as follows: "At Asheville we made an exhibit of some of all the nine varieties of our yards, and in each class we were awarded high honors. On our S. C. White Leghorns, which are our specialty, we were awarded 2-3 cock, 1 hen, 1-4 cock, 1-2 pul, 1-3 pen, silver cup and A. P. A. medal for finest cockerel in show, all classes competing; silver cup for finest pen in show, all classes competing; silver cup for finest pen in the Leghorn classes; National S. C. White Leghorn Club cup for most points won by a member, and ten special Club ribbons. On S. C. Brown Leghorns we were awarded 2 cock, 4 hen, 2 cock, 3-4 pul, and 3 pen. On S. C. Black Minorcas, we were awarded 1 cock, 1-2-3 hen, 1 pullet and 1 pen. On White Wyandottes, 3 cock, 2-3 cock, 1-2 pul, and 2 pen; silver cup for finest pullet in the show, all classes competing. On S. C. Rhode Island Reds, 1 cock, 1 pullet and 2 pen. On Buff Orpingtons, 3 pen. On Silver Spangled Hamburgs and Black Breasted Red Game Bantams, all awards. At the recent Charlotte, N. C., show we exhibited only seven S. C. White Leghorns and were awarded 2-3 cock, 1-3 hen, 1 cock, 2-3 pullet and 1 pen. At Atlanta, Ga., and at Abingdon, Va., we were successful winners."

### PARTRIDGE PLYMOUTH ROCKS.

R. W. Mead, Norwalk, Ohio, breeder of Partridge Plymouth Rocks, reports the following winnings: At Milan show, Dec., 1911, 1-2 cock, 1 hen, 1 cock, 1-2-3 pullet; Norwalk, Jan., 1912, 1-2 cock, 1-2 hen, 1-2-3 pullet, 2 cock, 1 pen. At Cleveland show, 1912, 1-2 cock, 2-4 hen, 4 cock, 1-2-4 pullet. They entered but eight birds at Cleveland show, and every one was covered by a ribbon. Mr. Mead will send his catalog free to those requesting it. Address Rockwood Farm, Box T, Norwalk, Ohio.

Hearndale Farm, Pine Bluff, Ark., have off about 700 young ones that are growing like weeds, even though the weather has been very bad. They have a brooder house heated with Candee system, and think it the best ever; can take care of 1,500 little ones. As a proof of the quality of their birds, they won at Dallas, Jan. 18-23, 1912, on 10 birds, 1st and 3d cockerel, 2d and 3d cock, 3d and 5th pullet, 5th hen and 3d pen, S. C. White Leghorns. Besides Leghorns, they breed S. C. Rhode Island Reds, Indian Runner Ducks, White Embden Geese and White Holland Turkeys. Their birds are laying fine and the eggs are running better than 90 per cent fertile.

W. W. Dean, of Iuka, Miss., has been breeding Rhode Island Reds for five years, and understands their breeding perfectly. He has made all the hatches he expects to make and will give his customers the benefit of a reduced price, considering quality. He has no heavy expense to bear, as all feed is raised on his farm which is situated at the city limits, making everything inexpensive and convenient. See ad elsewhere.

Rev. James R. Brown, of Sweetwater, Tenn., won The Industrious Hen cup at the Chattanooga show on best pen of Black Langshans, in strong competition with the Asiatic classes represented in full. These same birds also won first pen at the Appalachian Exposition. Little Miss Virginia Brown, daughter of the Rev. Mr. Brown, won the sweepstakes at the Exposition for the best brown eggs, these eggs being laid by the mother of the birds that won first pen.

W. E. Gabhart, of Bohon, Ky., has entered a pen of his S. C. White Leghorns in the egg-

### Single Comb

## R. I. REDS

From the Best Strain in America.

THE PRIZE WINNING KIND

## 200 Birds for Sale

Selected Stock, \$2.50 up.  
Utility Stock, \$1.50 to \$3

Eggs to hatch from ten select pens, at random. Eggs from each at \$3.00 per setting of 15 eggs. Eggs from utility stock—

Per Setting . . . . .	\$ 1.50
Per 100 . . . . .	7.50
Per 1000 . . . . .	60.00

BOOK YOUR ORDERS NOW

## The Red Hen Farm

JAMES J. LOSIER, Proprietor

JACKSON : : TENNESSEE

## BRED FOR LAYING



Eleven years' careful breeding. 30 Breeds, best pure-bred poultry, that will make you big profits. Eggs for hatching a specialty. Orders carefully filled. Price low. Big Illustrated Circular Free. 2c. stamp

for mailing. It will please you.

JOHN E. HEATWOLE,

Harrisonburg, Va.



## WHITEWASHING

and disinfecting with the new

"Kant-Klog" Sprayer

gives twice the results with same labor and fluid. Also for spraying trees, vines, vegetables, etc. Agents Wanted. Booklet free. Address

Rochester Spray Pump Co.  
206 Broadway, Rochester, N. Y.

When you eat squabs ask for Plymouth Rock squabs

## SQUAB BOOK FREE

for 1912, telling how to



make money breeding squabs, how to start small and grow. 5000 wanted daily by only one N. Y. commission firm. See what they say in National Squab Magazine (monthly) specimen copy from us Ten Cents. PLYMOUTH ROCK SQUAB CO., 317 Howard St., Melrose, Mass. Founder of the squab industry in America.

VOTE FOR NASHVILLE, 1912.

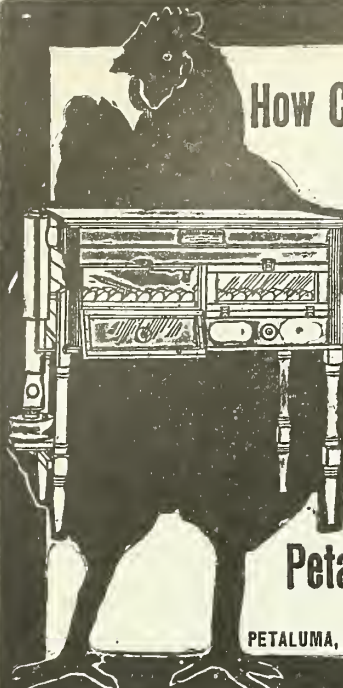
# BUFF ROCKS--That's All

You can buy \$5.00 and \$10.00 eggs any where, but let us tell you there is no breeder in the world offering such quality at \$2.00 and \$3.00 per sitting as we are from our six grand pens; mating list free. Our birds have won at St. Louis, Cincinnati, Hamilton, Louisville, Lexington, Kentucky State Fair, Kentucky State Poultry Show, Missouri State Fair and American Royal. Eggs for incubator at \$7.00 per 100.

MAX D. BRINNON & SON : Lakeside Poultry Farm : Windsor, Mo.  
Successors to J. GAYLORD BLAIR, Carlisle, Ky.

WHEN WRITING TO ADVERTISERS PLEASE MENTION THE INDUSTRIOUS HEN.






**How Can I Make Money With Poultry**  
IS A QUESTION OFTEN ASKED  
**DO IT THE CALIFORNIA WAY**

Which simply means our way. We have put thousands of people in various parts of the world on the right track, and can do it for you if you will give us a chance.

Write for our free Catalog and Booklet, "How It All Came About."

**WE PAY FREIGHT**

**Petaluma Incubator Company**  
142 N. Delaware St.  
PETALUMA, CAL. INDIANAPOLIS, IND.



## Saltkeatchie Poultry Yards

**Barred Ply. Rocks, S. C. W. Leghorns, S. C. Buff Orpingtons**

We have nothing but thoroughbred stock, therefore one price for stock and eggs. Correspondence solicited.

**AUSTON WEIGAND, Mgr., Schofield, S. C.**

## Dobbs' Perfection White Orpingtons

Win at Appalachian Exposition, Knoxville, Tenn., Georgia State Fair, Macon, Ga., and the Grand Central Show of the South, Atlanta, Ga., a grand total of Seven First, Six Second, Nine Third, Six Fourth and Five Fifth Prizes. Winning at Macon, Ga., Grand Sweepstakes for Best Cockerel in the Show, Silver Cup for Best Male in the show, Sweepstakes for Second Best Cock in the Show (winning first sweepstake on S. C. Rhode Island Red cock—pretty good winning to win first and second best cocks in the show); winning more display points at these three shows than all my competitors combined. These winnings added to my winning at Augusta, Ga., Memphis, Tenn., Little Rock, Ark, and Tupelo, Miss., makes a grand total winning equaled by few breeders of the most popular chicken in the United States today.

I offer eggs from his grand flock at \$3.00, \$5.00, \$10.00 and \$15.00. Stock at \$2.50, \$5.00, \$10.00 and \$15.00. Let me help you win the Blue at your next show. Send for Mating List and buy stock or eggs.

**CHARLEY DOBBS : : Gainesville, Ga**

P. S.—See my Rhode Island Red ad in this issue for the grandest winning of Championship for Supremacy ever made by any breeder in the South.

**SINGLE  
COMB**

## BUFF LECHORNS

Campbell's Buffs the best in the South. Blue Ribbon winners wherever shown.

At the Great Appalachian Exposition, won Grand Prize Silver Medal and Diploma for Best Cockerel in the Mediterranean Class, also eleven ribbons on Seven entries; specials for shape and color. At Asheville, 1910, won Grand Prize Gold Medal and Diploma for Best Cockerel in the Show. Two grand prize Silver Medals and Diplomas won this winter on one cockerel for best cockerel in shows. One pen of nice S. C. BUFF ORPINGTONS and prize-winning INDIAN RUNNER DUCKS. Write for my Mating List before placing your orders elsewhere.

**MRS. C. B. CAMPBELL, - - Asheville, N. C.**  
THE LEADING BUFF LEGHORN SPECIALIST OF THE SOUTH.

Secretary-Treasurer North Carolina Branch A. P. A.; Third Vice-President of American Leghorn Club; State Vice-President of the American Buff Leghorn Club.

## Orpingtons of Merit--Buff, Black, White

Winners of two Silver Cups, Gold Medal, One Special and Thirty-two Ribbons. We have some superior matings. Stock and eggs for sale. Eggs now \$5.00 per 15. We are proud of our high percentage of fertility and our superior breeders. Orders filled as received and prompt attention to all communications.

**THE LAWSON CO. : Dept 4, Birmingham, Ala**

laying contest which begins at Lexington, Ky., April 1st, and closes Oct. 1st of this year. Mr. Gabhart has perfected an excellent laying strain and we hope to hear a good report from this pen. He has an advertisement in this issue.

### OCULUM.

Inoculation is a new departure in the treatment of sick birds, at least in the common practice of poultry. However, after watching the progress in popularity of "Oculum," and observing the good work that it is doing, even the lay mind could fairly conclude that inoculation is a success.

The condition of the intestinal tract bears directly on the health of chickens, mature as well as young. And, Oculum injected proceeds to clean the system, destroying the organisms that are too numerous and too strong for nature to control effectively.

It is claimed for Oculum that it is a poultry panacea for the reason that a great number of poultry troubles are due to organisms which it can reach and destroy. White diarrhea, for instance, is purely an intestinal disease, the bacteria being inherited from the infected ovary of the hen, and it is only in the last stages that the white diarrhea organism is found in the liver, kidney, spleen, etc. On the other hand, for gapes an injection of the medicine can be made in the bird's mouth.

At the Madison Square Garden show this year the Hancock Inoculum Co., of Salem, Va., had a display booth and demonstrated the worth of "Oculum." M. G. McClung, president of the company, took the writer up on one of the balconies and showed him a game hen in coop No. 2340 which had one second. At the Palace show two weeks before, this hen was nearly dead. Three doses of Oculum were administered to her. At the Garden, Mr. McClung also cured a fine Dorking cockerel that had been imported from England and that "went off" in the show.

Already, in fact over a year ago, such good men as Messrs. Hawkins, Latham, Smith, Bradley, Fishel, etc., had unqualifiedly endorsed Oculum and this year the Hancock Inoculum Co. came into the biggest show in America and began at once actually to cure the birds.

Mr. McClung told an interesting story of D. B. Mentzer, of Greensburg, Pa., who had lost 7,900 ducks last year. One morning a representative of the Hancock Inoculum Company arrived at Mr. Mentzer's farm and found 179 ducks on a cart, the birds having been picked up that morning as dead. Mr. McClung stated that they saved "163 of those young ducks."

The Hancock Inoculum Company has issued a circular which contains what they call the "Golden testimonial." It is signed by the presidents of the four banks of Salem, Va., and citizens who were eye witnesses to the incident. It reads:

"On October 21, 1910, The Hancock Inoculum Company, Salem, Va., manufacturers of Oculum, bought two chickens from O. D. Oakley, Salem, Va. A black hen and a white rooster. They were so near dead with cholera that they could not move or open their eyes. The company inoculated them with Oculum at 3:30 p. m., Friday, October 21, 1910. We saw them and thought they could not possibly live until the following morning. They lay in a comatose condition until Sunday evening (over forty hours), before either one opened its eyes. These two chickens are now perfectly well and in fine condition. Restoring these two fowls to health by the use of Oculum alone was truly a wonder to us."

The above mentioned "black hen and white rooster" were exhibited at the Garden show in the Hancock Inoculum exhibit. They did not have the "fuss and feathers" of some of the prize winners, for they were just ordinary "chickens," but their appetite and health were on a par with the appetite and health of the birds of "quality."—Reliable Poultry Journal.

Clean nests mean clean eggs and hens free from lice. Change nesting material frequently.

**S. C. WHITE LEGHORNS AND INDIAN RUNNER DUCKS.**

Thirty good utility S. C. White Leghorn eggs for \$1.00. Duck eggs at \$1.00 per 13. Book your orders now for future delivery. D. M. JONES, Route 1, Kizer, Tenn.

## R. C. R. I. REDS

Layers—hence payers. Fine young birds and eggs for sale. Also utility stock. Write D. MATT. THOMPSON, Statesville, N. C. Mention Industrious Hen.



# HENS MUST LAY

WHEN  
FED

## PRATTS POULTRY REGULATOR

GUARANTEED

**Poultry Profits Doubled**

**CAPONS** bring the largest profits — 100% more than other poultry. Caponizing is easy and soon learned. Capons sell for 30c. a pound, while ordinary poultry brings only 15c. a pound. Progressive poultrymen know these things and use

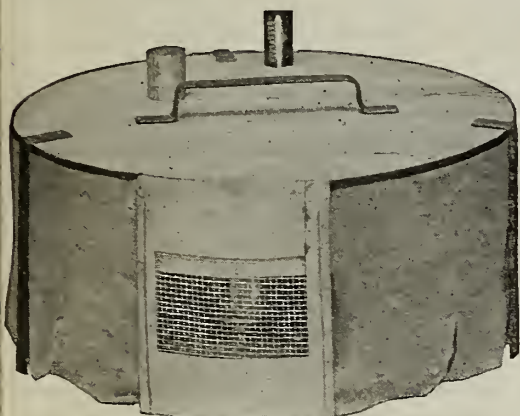
**PILLING CAPONIZING SETS**

Sent postpaid, \$2.50 per set with "Easy-to-use" instructions.

We also make **Poultry Marker, 25c. Gape Worm Extractor, 25c. French Killing Knife, 50c.** Booklet, "Guide for Caponizing," FREE.

**G. P. PILLING & SON CO., 23d & Arch Sts., Philadelphia, Pa.**

## THOUSANDS OF CHICKS



Ideal Hover, \$5.50.

Hatched this month. The Ideal Colony House Hover is king. Set it on the floor anywhere and it is ready. No holes, no false floors; greatest thing yet. Lamp sets in metal lamp box with screen front. Move any place with lamp lit. Top heat. 24-inch Hover Top; thermometer safety lamp. Capacity, 100 chicks. Price, \$5.50, special offer. We want ever poultryman to try out this Hover and make a special price of \$5.25 each, or two for \$10.00, freight paid. Will ship C. O. D., freight paid on receipt of \$1.00. Will pay return charges and send back the \$1.00 if not entirely satisfactory. Send for catalogue showing three views of the new chick wonder. Also our Duplex Hover for brooders, \$3.75; also Brooders and Automatic Dry Mash Feeder. We pay the freight. **DUPLEX INCUBATOR CO., Trenton City, Ohio, Box C. 102.**

## EGG LABELS

Printed same day order is received. Get samples and prices.

**S. B. NEWMAN & CO.**  
KNOXVILLE, TENN.

## Specialty Clubs & Associations

### MEETING AMERICAN WHITE ORPINGTON CLUB.

The annual meeting of the American White Orpington Club was held at Indianapolis, during the week of Feb. 5 to 10, in connection with the exhibition of the Fanciers' Association of Indiana. The attendance was larger than at any previous meeting. Report of secretary showed a good fund in the treasury and a good, flourishing condition; 500 new members were enrolled during the past year, making the Club membership now over the 1,000 mark. A committee was appointed to confer with the committee of the A. P. A. on Standard type of the White Orpingtons. The Secretary was authorized to get out a new club book and all members in arrears of dues are requested to pay up at once, to keep from being left out. Officers for 1912 were elected as follows: Ernest Kellerstrass, president; E. B. Rogers and Dr. E. C. White, vice-presidents; F. S. Bullington, secretary-treasurer; executive committee—Lawrence Jackson, chairman, Jno. W. Aldrich, W. Barry Owen, Claude E. Kellogg, Carl S. Byers, E. Kellerstrass and F. S. Bullington. Six cities extended invitations for next meeting, to-wit: Grand Central Palace, N. Y., Pittsburg, Pa., Springfield, Ill., Cincinnati, O., Chicago, Ill., and Wichita, Kan. Every breeder of White Orpingtons should become members of the Club. The initiation fee is only \$1.00, which includes the year's dues in which you join, and yearly dues thereafter are only \$1.00, or life memberships, \$10.00. Specials will be offered at every show in the country next season, open for competition to club members only. Information and application blanks will be gladly sent by F. S. Bullington, secretary, Box 328, Richmond, Va.

### THE INTERNATIONAL POLISH CLUB

The International Polish Club makes its bow to the world, a hale and lusty youngster. As its name implies it will be international in scope and we hope international in fame. It will be known as the club that is different. It will not follow in the beaten path of other specialty clubs but will be run on new and novel lines, by modern methods, modern ideas, strictly original and down to the minute. We are out to set the pace in the grand circuit club race; so here's to you one and all. Bantam breeders, too, have a cordial invitation to join us in the race; yes, we bid you welcome; \$1.00 will place your name on the "Court of Honor." \$1.00 will pay your annual membership fee each year, payable Nov. 1. \$10.00 will pay for a life membership and no assessments. In order to accommodate all who wish to come in as charter members, our list will be held open until May 1. The International reserves the right to reject any application which it deems advisable to do so. And if any member is guilty of wrong doing he shall be promptly and publicly expelled from the club. In a short time we will issue a member's directory, and every breeder who sends in his application and \$1.00 will have his name and address together with the variety of Polish or Polish Bantams he breeds

**LEG BANDS**

**TRA 9663**

**SAMPLES FREE**

Send name on postal now for free samples of most complete line of highest quality bands Smith Sealed for every use. Or order now from this advertisement. Money back if you want it. **SMITH SEALED.** Used by America's leading Fanciers. Prices: 12, 30c; 25, 50c; 60, \$1; 100, \$1.50; 500, \$6.50; 1000, \$12.50; postpaid. **LEADER ADJUSTABLE.** Smoothest, most secure fastening ever invented. Prices postpaid: 12, 15c; 25, 25c; 50, 40c; 100, 65c; 250, \$1.50; 500, \$2.75; 1000, \$5.25. Samples of these and other styles Free—also fine booklet. **THE KEYES-DAVIS CO., Ltd., Mfrs.** Dept. 520, Battle Creek, Mich. Leader Adjustable

## "SCRATCH WHERE YOU CAN FIND WORMS"

That is to say, Charlotte territory. Charlotte people have the price. **THE EVENING CHRONICLE** reaches the widening circle of amateur chicken fanciers, as well as professional.

## The Evening Chronicle

publishes every Saturday the best poultry page in the country. Reaches 7,000 guaranteed paid subscribers. Advertisements on poultry page, 49 cents per inch per insertion.

## The Evening Chronicle

CHARLOTTE, N. C.

## "RINGLET" BARRED P. ROCKS

Have a few Cockerels of this world's best strain, which I will sell at a bargain. Eggs, a limited number at \$3 per 15. Old Phone 75. **S. E. TRUAN,** Box H, Fountain City, Tenn.

## BRED WHITE WYANDOTTES and TO LAY INDIAN RUNNER DUCKS

Eggs, \$2.00 per setting, \$3.50 per two settings. Express paid. Circular free. **R. ADDISON, Loughman, Fla.**

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NOT ONLY IN SIZE, BUT ALSO IN WINNINGS AND BIRDS. Then isn't it a common-sense proposition that we can give you a better bargain in stock, eggs or baby chicks than the other fellow? Our Catalogue, the handsomest ever gotten out by an Ancona breeder, is yours for the asking. Better write for it today.

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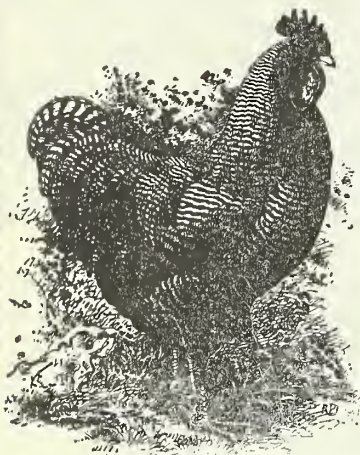
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## ROYAL STRAIN BARRED ROCKS ARE STILL WINNING

WON 1st pullet, Charlotte, N. C., 1909; 3d cockerel, 1st hen, Atlanta, Ga., 1910; 1st cock, Augusta, Ga., 1910; 2d hen, Charlotte, N. C., 1910; 3d cock, 5th cockerel, 4th hen, 4th pullet, Spartanburg, S. C., Jan. 1911; 1st, 3d, 4th and 5th cockerel, 2d cock, 3d and 4th hen, 2d pen, Spartanburg, S. C., Dec. 1911, H. P. Schwab, judge. Eggs, \$3.00 per setting of 15, two settings for \$5.00.

**DES-RENA POULTRY YARDS**  
GREENVILLE, S. C.

## S. C. RHODE ISLAND REDS

**O**RIGINALLY from the best foundation stock in the world, and by years of scientific and careful mating, I have REDS that will produce you uniform birds of quality that will win in the show room. They are smooth, even and velvety in color, of correct type, and are heavy layers. When in the market for **GOOD REDS**, write me. I have them. Illustrated Mating List Free. Eggs, \$2.00, \$3.00 and \$5.00 per sitting.

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Winners of Five Firsts at Appalachian Exposition, September, 1911; Four Firsts and Two Gold Specials at the Great Baltimore, Md., show, January, 1912. Also winning at the Madison Square Garden poultry show of the South, Atlanta, Ga., Dec., 1911, more points than any two competitors—2-3 cock, 1-2 hen, 3 cockerel, 1-2-3 pullet, 3 pen. Five Grand Pens Mated. **EGGS—\$5.00 per 15.** Write for mating circular.

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Winners of twenty firsts, one second, one fourth and two specials at five leading poultry shows, including Louisville. WIN, LAY and PAY. Get the Kentucky Strain and Win. **KENTUCKY STOCK & POULTRY FARM, Route 3, Nolin, Kentucky.**

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**RHODE ISLAND REDS and WHITE LEGHORNS Exclusively.** Eggs, \$1.00 per setting of 15. Safe delivery and satisfaction guaranteed. **S. P. SMITH, Box 634, Guthrie, Kentucky.**

## Eggs From Pure Bred Barred Rocks

**EXHIBITION PENS, \$4.00 per 15**  
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These eggs are from large, healthy birds. Fertility guaranteed. Special prices quoted on orders of 50 eggs or more.

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printed in the directory, a large number of which will be published and mailed to breeders in all parts of the world, thus putting you in touch with a large and select list of possible customers for your stock and eggs. If you believe in publicity, if you believe in our plans you owe it to yourself to extend us your hand. Let us forget; just a word about our club ribbons. They will be different—the most handsome ever offered by any club. Also our Club Advocate, which will make its first appearance about Jan. 1, 1913. It will be original; it will be different; it will be strictly in keeping with the policies of the club—"down to the minute." For further information, address M. V. Caldwell, secretary and treasurer International Polish Club, Route 5, Lisbon, Ohio.

### ANNUAL MEETING OF THE NATIONAL COLUMBIAN WYANDOTTE CLUB.

The annual meeting of the National Columbian Wyandotte Club was held at Cleveland, Ohio, January 25, 1912, and a good representation of the membership was present. Enthusiasm ran high for our chosen variety and the outlook for improvement and increased popularity of Columbian Wyandottes was never brighter. Most favorable comment was made upon the appearance of the new Columbian Wyandotte Journal, published at Nashville, Tenn. The increase in membership was 115 for the year and it is confidently hoped to double the present membership. It was voted that the Club secretary represent the Club at all meetings of the American Poultry Association. Resolutions were passed upon the death of Brother C. H. Dillon, Cincinnati, O.

The following officers were elected: President—Walter G. Fenton, Mt. Clemens, Mich.; vice-presidents—Charles D. Cleveland, West Orange, N. J.; S. E. Tiffany, Elkins, W. Va.; Thomas S. Falkner, Tiffin, Ohio; Prof. A. A. Brigham, Brookings, S. D.; J. W. Whitney, Uplands, Calif.; Secretary-Treasurer—Ralph Woodward, Grafton, Mass. Executive Committee—The president, secretary-treasurer and George F. Eastman, Granby, Mass.; J. P. Keating, Westboro, Mass.; Charles D. Cleveland, West Orange, N. J.; S. T. Campbell, Mansfield, Ohio; Dr. J. C. Andrus, Canandaigua, N. Y. The Club catalogue will be issued about March 1st, and besides giving the list of members, will contain interesting articles by prominent Columbian Wyandotte breeders. Membership dues are \$1.00 per year and applications for membership and request for catalogue should be sent to Ralph Woodward, secretary-treasurer, Grafton, Mass.

Assurance has come to those who have in hand the new Rose Comb White Orpington Club, that as soon as the membership of the Club is large enough to assure the permanence of the breed, the application for admission to the Standard will be favorably received. It is urged that all who are interested in the R. C. White Orpingtons at once send their application for membership to the new Club, to the secretary, Milton W. Brown, Cheviot Farms, R. 14, Cincinnati, Ohio.

### EASY TO USE.

The Pilling Milk Fever Apparatus and the Pilling Garget Outfit should be on hand now, as the time is at hand when those accidents

of parturition, milk fever, and inflammation of the udder (garget) are apt to occur.

If you save one cow by the use of the Pilling air treatment for milk fever, or restore one udder to full secretion that otherwise would make a good cow worthless by the use of the Pilling Garget Remedy you will have saved enough money to purchase the instruments and remedies needed on a dairy

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Write the G. P. Pilling & Son Co., 23rd and Arch Sts., Philadelphia, Pa., for their free books on "Easy to Use" cattle instruments. Write now; you may need some of these goods sooner than you expect.





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**EGGS:**  
\$3 and \$5 per 15

My birds have won at Chicago, Cleveland, Cincinnati, Indianapolis, and St. Louis World's Fair.

Over 500 Premiums in 7 Years.

Free circulars on matings and show record.

**E. E. CARTER**  
Dept. I. H. KNOXVILLE, TENN.

## S. C. Buff Orpingtons EXCLUSIVELY COOK STRAIN

I have shown only in the Blount County Poultry Show. Won 2 firsts, 3 seconds, 4 thirds, 2 fourths.

Eggs from Pen, \$2.00 for 15

Eggs from Yards, \$1.00 for 15

Incubator Eggs, \$5.00 per 100

**W. J. HUFFSTETLER**  
MARYVILLE, TENN.

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Here they are—just what you want.

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Something that will please the most exact. They are of a prize winning and heavy laying strain. Buff Eggs—\$1.50 per 15, or \$5.00 per 100. White Eggs—\$2.00 per 15, or \$3.50 per 30. Kellerstrass Strain

## WHITE ORPINGTONS

As good as can be found. Eggs, \$3.00 per 15, or \$5.00 per 30. Stock for sale. Eggs guaranteed.

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Best in the South. Blue ribbon winners wherever shown. Our Brahmas will win in the hands of our customers as well as they will for us. We have shown our birds at 16 shows, winning first hen 16 times, first cock and first pen 15 times, special for highest scoring female in show three times, best pen in show twice. My birds are extra large, heavy layers, and sure winners. Stock and eggs for sale at all times. Write for my mating and price list. JOHN A. PONS, Asheville, N. C., breeder of the champion blue ribbon winners Light Brahmas and Buff Orpingtons.

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We won 1, 2, 3, 4 at Kentucky State Fair, 1st cock and hen at the big Southern International Poultry Show, Atlanta, and ten firsts at three other leading shows of Kentucky. Our customers win.

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Then buy your Breeding Stock and Eggs from **SANDY RUN POULTRY YARDS, Ellenboro, N. C.** We are the oldest breeders of thoroughbred poultry in North Carolina; have been breeding prize winners for the past twenty years, and know how to mate for best results. We have been winning at such shows as Knoxville and Nashville, Tenn.; Atlanta, Ga.; Asheville, Charlotte and Shelby, N. C.; Hagerstown, Md., and a lot of other shows—in fact, we are ready to meet any competition in the show room. We breed White, Partridge and Columbian Wyandottes, Black Minorcas, Brown Leghorns, Buff Orpingtons and Indian Runner Ducks. Have a fine lot of breeders and some show birds yet for sale. Write for our show record and prices. Eggs from finest matings at \$2.00 to \$5.00 per 15. Book your orders early, so as to get them when wanted. Satisfaction guaranteed on every sale. **SANDY RUN POULTRY YARDS, Ellenboro, N. C.**

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**MADISON SQUARE GARDEN, BALTIMORE, HAGERSTOWN**, won this season five firsts, four seconds, four thirds, one fourth, five fifths. **WRITE YOUR WANTS.**

**M. C. RICHARDSON, JR.**

**Front Royal, Va.**

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**FRANKFORT, KENTUCKY**

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Our birds are mated and raised on separate farms—absolutely no chance of mixing breeds. **ORPINGTONS** are imported from the best strain of birds that England produces. **BARRED ROCKS** from the best American breeders. Won at Washington, D. C., Poultry Show with our White Orpingtons, eight ribbons out of eight birds entered, as well as ribbons on Black Orpingtons and Barred Rocks. This shows some quality. If you are looking for high-class stock and eggs, give us a chance to please you.

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From the original imported fowls. The record breaking bird for laying the largest number of eggs. Stock for sale from my blue ribbon winners at Appalachian Exposition and other shows, headed by cocks Taranta and Palermo. Testimonial of pullets laying in 124 days. Eggs large and white—orders now booked.

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**SILVER SPANGLED HAMBURG** Eggs, \$4.00 per setting from birds imported from Earby, England. Some of my winnings, 1st and 2d pullet, Madison Square Garden, New York; 1st cockerel, Indianapolis; 1st and 2d pullet, Missouri State Show; 1st hen, 1st pullet, Atlanta, Ga.; 1st pullet, 1st cockerel, Clay Center, Kans.; 1st and 2d cock, 1st and 2d hen, 1st and 2d cockerel, and 1st and 2d pullet, at the great St. Louis show. All 1911 winnings. You can do the same if you buy eggs from me. J. Wohlgenuth, 703 Pine St., St. Louis, Mo. 94

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**S. C. WHITE LEGHORNS** exclusively. Wilber's best strain, heavy layers, large and vigorous. Eggs, \$1.00 for 15 from best matings. Stock for sale. Edward Montgomery, Knoxville, Tenn. 96

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**SINGLE COMB BUFF LEGHORNS**, above all breeds, combine beauty and profit. We have both breeding and highest quality exhibition eggs for hatching. Write for prices. Goldenrod Poultry Farm, Elmont, Va. 95

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**TRAP-NESTED S. C. WHITE LEGHORNS**. Pen 1—Hens averaged 200 eggs in pullet year; \$3.00 setting, 15 eggs. Pen 2—Birds from 200 to 230 egg hens, \$1.50 per setting, \$7.00 per 100. Headed by high quality males. H. W. Coddington, Roanoke, Va. 95

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**THOROUGHbred S. C. BLACK MINORCAS**. Have won prizes at all shows exhibited, and for layers they can't be beat. Stock and eggs for sale at reasonable prices. Let me have your orders. E. C. Davis, Mohawk, Tenn. 96

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**WHITE ORPINGTONS** (Cook Strain). Prize winners. Eggs, \$5.00 and \$10.00 per 15. Stock for sale. H. A. Black, Cartersville, Ga. 104

**SINGLE COMB BUFF ORPINGTONS**—Pure bred, farm raised stock. Eggs, \$2.00 per 15. Miss Bessie Fuller, Route 6, Morristown, Tenn. 96

**SIX PENS** Thoroughbred Buff Orpington Show birds; eggs, \$1.00 to \$6.00 per 15. All pens mixed, \$2.00. Address Ideal Poultry Plant, Tullahoma, Tenn. 95

**S. C. BUFF ORPINGTONS**. Trap-nested strain from Chicago and New York winners. Eggs, \$3.00. Young stock cheap. Fred W. Davis, Elwood, Ind. 96

**ORPINGTONS**, Black and White. Eggs from imported winners. Stock for sale. Send for mating list. Rhodesville Poultry Yards, J. F. and Harry Rhodes, Owners, Athens, Ga. 95

**S. C. BUFF ORPINGTONS** exclusively. Eggs from choice matings of prize winners, \$3.00 and \$2.00. Roy W. Leabee, Box D, Geneseo, Ill. 95

**S. C. WHITE ORPINGTON** eggs. High-class stock; Cook and Kellerstrass strains; \$2.50 per 15. Also baby chicks. R. M. Gaines, Jr., Lake Village, Ark. 95

**KELLERSTRASS WHITE ORPINGTONS**, regular egg machines. Eggs, \$2.00 per 15; \$5.00 per 50. Mack Callaway, Hughes Springs, Texas. 96

**DR. G. K. TALLEY**, breeder of pure S. C. White Orpingtons. If you want to raise birds you will be proud of, send for mating list. Box 888, Georgetown, Texas. 98

**KELLERSTRASS CRYSTAL** White Orpingtons. Descendants of "Peggy." Eggs, \$5.00 per 15. Place your order today. Gentry Reynolds, Kenton, Obion Co., Tenn. 96

**BUFF and BLACK ORPINGTONS**—Eggs from prize winners in 1911, exclusively, at Pickens, Columbia and Spartanburg, S. C., \$3.00 per 15. W. E. Hendricks, Pickens, S. C. 98

**BUFF ORPINGTONS** and Brown Leghorns. Won 23 firsts out of 30 in strong competition. Eggs, \$1.50, \$2.00, \$3.00, \$4.00. Mating list free. M. T. Young, Route 2, Canton, Miss. 98

**SINGLE COMB BUFF ORPINGTONS** (Cook strain). Eggs, \$1.50 and \$2.00 per 15. Stock for sale; also day-old chicks in season. Mrs. Georgia West, Route 3, Morristown, Tenn. 95

**WHITE ORPINGTONS**—none better. We have a strain that wins and lays. Won more first prizes at our leading fairs last fall than all our competitors. In a class of 111 White Orpingtons at our State fair, we won half of the firsts offered. Few trios for sale at \$10.00 per trio. Also some nice cockerels cheap. Write for mating list. Lowe's White Orpington Farm, Burlington, N. C. 95



**WHITE ORPINGTON EGGS**, \$3.00 and \$5.00 per 15. Stock from Kellerstrass' \$30.00 eggs. One show, 1911, I won 1-2-3 pullet, 1-2 cockerel, 1-2 pen. G. D. Parks, Newbern, Tenn. 99

**CRYSTAL WHITE ORPINGTONS**—The highest type of this magnificent fowl. Eggs—\$2.00, \$3.00 and \$5.00 per 15. The Crystal Farm, Dr. Jennis Morrill, Prop., Falkland, N. C. 97

**ORPINGTONS**.—White, Black, Buff. Best all purpose fowl. White Leghorns—great laying strain prize-winners. Egg and stock bargain list No. 69 free. Woman's College, Meridian, Miss. 96

**S. C. BUFF ORPINGTONS**—A rich golden buff, and Buff Orpington Ducks. Heavy layers. Start your yard with something new and pretty. Eggs only. J. T. Bailey, Mt. Roszell, Ala. 97

**S. C. BLACK ORPINGTONS**. Will dispose of a few settings, \$3.00 for 15. A few cockerels, \$3.00 to \$5.00. Scotch Collie puppies a specialty. Address Dr. W. I. Wright, Dawson, Ala. 98

**FOR SALE**—A few nice Buff Orpington pullets and cockerels. Heavy winter layers. Pullets, \$2.00; cockerels, \$3.00. Eggs, \$2.00 per setting of 15. Mrs. D. S. Dallorhide, Foreman, Ark. 95

**ORPINGTONS**, White, Black. Anconas (the egg machines). First prizes at highest class shows. We have the best. Write for mating list and prices. Rhodesville Poultry Yards, Athens, Ga. 97

**FOR SALE**—First pen at Hagerstown, S. C. Buff Orpingtons. Also many other prize-winners and utility stock. Eggs in season. Maryland's best Orpingtons. Prices right. A. J. Street, Forest Hill, Maryland. 96

**BUFF ORPINGTONS** (the best yet). Won 23 prizes this season. My yards contain all my winners, except one. Every yard headed by prize winner. Eggs, \$2.00, \$3.00 and \$4.00 per 15. Bloom H. Kendall, Shelby, N. C. 98

**WHITE ORPINGTONS** (Kellerstrass). Eggs, three and five dollars for fifteen. Winnings at Jacksonville show—first pullet, fifth pullet, third hen, second cockerel, second cock. White Plume Poultry Yards, Jennings, Fla. 99

**WHITE ORPINGTONS**, Kellerstrass. Stock, baby chix and eggs for sale. Won at Chattanooga, first and third cock, second hen and second pen. Mating list free. E. M. Condra, Hill City, Tenn. 98

**COOK'S STRAIN ORPINGTONS**, S. C. White and Buff. No stock for sale before September. Eggs, \$2.00, \$3.00, \$5.00 for 15. My breeding pens made up from stock and eggs direct from Cook & Sons last season. T. H. Fairchild, Mooresville, N. C. 98

**S. C. BUFF, BLACK and WHITE Orpingtons**. Great winter layers. Prize winners. Filling orders for eggs. Prices reasonable. Customary guarantee. Mating list ready. Crescent Poultry Place, Station R, Cincinnati, Ohio. 95

**S. C. WHITE ORPINGTONS**, both Kellerstrass and Cook strains. Beauty and utility combined. Eggs, \$3.00 per 15. A few choice cockerels from \$10.00 to \$15.00. Mrs. Sam'l H. Happersett, 33 W. Wisconsin Ave., DeLand, Fla. 100

**WHITE ORPINGTONS**, Lawrence Jackson Strain. Write for mating list and winnings at four of our best shows. Few choice cockerels for sale. Pen one composed of scored birds above ninety points. W. W. Webb, 515 Roanoke, St., Roanoke, Va. 99

**S. C. WHITE ORPINGTONS** (Cooks). Two cockerels, \$5.00 each; eggs, \$3.00 for 15. S. C. Rhode Island Red (Cornish) eggs, \$2.00 for 15. Indian Runner Duck eggs, \$1.00 for 12, or \$1.75 for 24. Mrs. J. L. Stamps, Chilhowee, Blount Co., Tenn. 95

**WHITE ORPINGTONS**, Kellerstrass and Cook Strain stock direct. One four hundred and fifty dollar pen; one two hundred and fifty dollar pen. Eggs, \$3.00 and \$5.00 per setting. A few nice utility cockerels, \$3.00 each. L. R. Yancey, Box 486, Hattiesburg, Miss. 96

**CRYSTAL WHITE ORPINGTONS** (Kellerstrass Strain). Descendants of the famous "Peggy." Fine males, females and eggs from blue sibbon winness for sale at reasonable prices. Write us—we can supply your wants. Sunshine Poultry Farm, Sunshine, Ala. 98

**KELLERSTRASS WHITE ORPINGTON** eggs, 15c each. Fine hens, pullets and males, \$3.00 each. Pure white, nice size. Proven layers and breeders. Write Munnimaker Poultry Farm, Normandy, Tenn. 99

**ORPINGTONS**, White and Black. Eggs, any quantity, ten, twenty and fifty cents each. Will sell one hundred pullets and twenty cockerels. Write for prices and mating list. Old Dominion Orpington Yards, Graham, Va. 96

**MY KELLERSTRASS WHITE ORPINGTONS** won 14 prizes at two shows, including six firsts, three seconds, one sweepstake. They are winter egg machines. Produced \$590.54 from a trio in 16½ months. Eggs, \$1.50, \$3.00, \$5.00 for 15. Kennamer Farm, Columbus City, Ala. 97

**KELLERSTRASS CRYSTAL White Orpingtons** Exclusively. First second, third pens; second cock, Memphis, 1911. First, third hens; second cock; first, second, fourth cockerels; fourth pullet; first, third pens; Pine Bluff, 1911. Eggs, \$5.00 for fifteen. W. Griff Callicott, Coldwater, Miss. 97

**PREPAID BUFF ORPINGTON** eggs, from Bridgewater stock, one of whose pens pronounced by the originator best pen Buffs in America. Pen one, three-fifty; pen two, two-fifty per fifteen. Express paid. Every bird in pens fine individuals. L. Bowman, Yazoo City, Miss. 96

**KELLERSTRASS CRYSTAL White Orpingtons**—Eggs, \$5.00 per 15, 1st and 2d pullet, 2d cockerel, West Tennessee Poultry Show, January, 1912, out of eggs from this pen. Couldn't fill all my orders last season. Order now, will ship when wanted. Surplus cocks, 20 months old for sale. R. F. Young, Bemis, Tenn. 95

**ORPINGTON EGGS**—White Orpington (Kellerstrass), \$2.50, \$5.00, \$7.50, \$10.00; Black Orpington (Cook), \$2.50, \$5.00, \$7.50; Buff Orpington, (Owen Farms), \$1.25, \$2.50, \$5.00. These eggs are from beautiful prize-winning thoroughbreds. There is not a poor bird in my yards. Mrs. L. P. Eberhardt, Elberton, Ga. 95

**KELLERSTRASS CRYSTAL White Orpingtons**, first prize winners at Minneapolis, St. Paul, Minn.; La Crosse, Wis., and Winnepeg, Canada, shows. Fine stock for sale from \$15.00 per pen to \$35.00 for our finest pens, and you do not have to pay for them until you have seen them. Send \$5.00 as a guarantee of good faith and I will ship them to you on approval. Now I could not do this if I did not have A1 stock. Eggs, \$3.00 and \$5.00 per 15; \$5.00 and \$8.00 per 30, and \$15.00 per 100. I will give \$50.00 for the best cockerel and pullet raised from my 1912 eggs. Catalog free. E. B. Benson, Box V351, Lake Crystal, Minn. 95

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**WHITE PLYMOUTH ROCKS** (Fishel strain). Plenty of eggs, winter and summer, if you try my bred-to-lay Rocks. 15 eggs, \$1.50. Mrs. A. M. Riggs, LaFollette, Tenn. 100

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**PARTRIDGE PLYMOUTH ROCKS**, Noftzger Strain. The very best birds. Won wherever shown. Eggs for hatching, \$5.00 and \$3.00 per 15. Clemens Blank, Martinsville, Ind. 95

**PARTRIDGE PLYMOUTH ROCKS**, Noftzger Strain. White Runner Ducks, Fishel Strain. Best blood lines. Eggs, \$3.00 for 15, \$5.00 for 30. W. T. Bull, Box 29, Greenville, S. C. 98

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**"PEARLY WHITE STRAIN" White Rocks**; also Barred Rocks. Won three-fourths of all blue ribbons wherever shown. My chickens are the sensation of this community. Write me. C. C. Shelley, Decherd, Tenn. 98

**COLUMBIAN PLYMOUTH ROCKS**. Eggs, five, three and two dollars per 15. Satisfaction guaranteed. J. Lee Simmons, State Vice President Columbian Rock Club, Adamstown, Md. 96

**FISHEL STRAIN WHITE ROCKS**. Winners wherever shown. Three silver cups and other specials this year. Eggs, \$1.00 per 15; \$4.00 per 100. Mrs. Norman Shepherd, Laws, Va. 96

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**S. C. RHODE ISLAND REDS.** Pure bred from best strains in the South. I have no utility stock. Eggs, \$1.00 for 15. R. C. Scruggs, Route 5, Asheville, N. C. 98

**R. C. RHODE ISLAND REDS.** Eggs for hatching per 15, \$1.50 to \$3.00. Stock from prize winners. Write me, and let's get acquainted. W. H. Shivers, Wadley, Ala. 98

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**S. C. RHODE ISLAND REDS, Ezell Strain.** Winners wherever shown. Send for show record and 1912 mating list. Foundation stock from the very best blood lines. F. C. Ezell, Box 35, Dresden, Tenn. 98

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**ROSE COMB RHODE ISLAND REDS.** First cock and color special Kentucky State show, January, defeating Chicago winners of December show. Winning everywhere. 36 ribbons at eight shows this season. Mating list. Starling Price, Henderson, Ky. 95

**JOHN L. BORDERS S. C. R. I. REDS—Winners in the strongest competition.** Only have two pens; strictly f. cy. If you need winners, write me; it is a pleasure to tell you about them. Eggs, \$5.00 and \$3.00 a setting. Frank Langford strain. John L. Borders, Route 2, Shelby, N. C. 95

**FAIRVIEW POULTRY FARM.** Bargains from Red winners, Cleveland, Indianapolis, Springfield, etc. 15 eggs, special matings, \$2.50 to \$5.00; general flock, 15, \$1.50; 50, \$4.50; 100, \$8.00. Utility stock reasonable. J. S. Walker, Secretary Illinois Branch National Single Comb Red Club, Palestine, Illinois. 95

**EGGS FOR HATCHING—Rhode Island Reds, Rose and Single Comb.** If you want winners of the large size, grand shape, deep Red kind, send us your orders. Eggs from prize pens, \$5.00; special pens, \$3.00; select pens, \$2.00 per 15. Fertility guaranteed. Write for mating list. West Durham Poultry Farm, West Durham, N. C. 96

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**RHODE ISLAND WHITES.** World's best layers. Big sellers. Our hens net us fourteen dollars each last year. Also Fawn and White Indian Runner Ducks. We refused \$50.00 for a pair at the big Atlanta show. See our display ad and winnings on page 403 of this journal and send us your order. Mrs. C. M. Vertrees, Box A, Cecilian, Ky. 99

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**PURE BRED WHITE WYANDOTTES.** Good layers and prize winners. Eggs, \$1.50 for 15; \$2.50 for 30. J. H. Lewis, Route 13, Knoxville, Tenn. 95

**BUFF WYANDOTTES,** high-class breeders, free from any disqualifications; prize winning stock. Eggs, \$1.00 and \$2.00 for 15. Stock all sold. Pete H. Cowan, Jr., White Pine, Tenn. 99

**WYANDOTTES, Silvers and Partridges.** I have the highest quality. Won seventy-five prizes and cups at Atlanta, Birmingham and Tupelo this season. Eggs and stock. Pope M. Long, Cordova, Ala. 98

**WHITE WYANDOTTES.** First cockerel, third pullet, second and fourth pen, Chattanooga. All awards at Dalton, Ga., 1911. Eggs, \$1.50 and \$3.00 setting. Also S. C. White Leghorns. E. C. Barnes, Rossville, Ga. 98

**SILVER LACED and COLUMBIAN Wyandottes.** Three firsts, Macon; three firsts, Chattanooga; five firsts, Atlanta. Eggs, \$5.00, \$4.00 and \$1.50 per 15. Mrs. C. H. Farrar, Wyandotte Farm, Jenkinsburg, Ga. 98

**WHITE WYANDOTTES.** Heavy laying prize winners. Won 1st, 2d, 3d, 4th pullet; 1st, 2d cockerel; 1st cock; 1st, 2d, 3d, 4th hen; 2d pen, at Orange County Fair. Eggs, \$1.50 per 15, \$7.00 per 100. J. A. Takach, Sanford, Fla. 95

**FOR SALE—Columbian Wyandottes.** The best of winter layers. Am offering a few trios from select breeding pens. Also several fine cocks and cockerels that are strong in size, type and color markings. Prices reasonable. H. H. Hayes, Union Springs, Ala. 97

**BLACK WYANDOTTES.** My Black Wyandottes are winners at New York, Boston, Chicago and Cleveland, and my customers have won at Cleveland, New York and elsewhere. I purchased the originator's entire stock of this grand breed. Stock and eggs for sale. Send for circular. Frank C. Sites, North Dover, Ohio. 95

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**EGGS—Single Comb White Leghorns, Toulouse Geese and Pekin Ducks.** Clem Lehman, Lashley, Pa. 95

**FULL STOCK EGGS, \$1.00 for 13 eggs, cash with order.** Rhode Island Reds and S. C. Brown Leghorns. Louis Rochat, Lenoir City, Tenn. 95

**S. C. RHODE ISLAND REDS and Barred Plymouth Rock** eggs from prize winners, \$1.50 setting. T. Scheuermann, 204 Dauphin St., Mobile, Ala. 95

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**THE WORLD'S FAMOUS Pekin Ducks** and Rhode Island Reds. Stock and eggs for sale. Also 30 Brown Leghorn hens for sale at \$1.00 each. Florence E. Haun, Mohawk, Tenn. 97

**WHITE ORPINGTON (Kellerstrass)** eggs, \$3 per 15. Rhode Island Red eggs, \$1.50 per 15. Indian Runner Duck eggs, \$1.50 per 11. B. R. Clardy, Laurens, S. C. 95

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**INDIAN RUNNER DUCK** eggs from great laying fawn and white ducks that lay white eggs only eggs only, \$1.50 per 13. S. C. White Leghorn eggs, \$1.50 per 15. John Wall, McKenzie, Tenn. 96

**RINGLET BARRED PLYMOUTH** eggs, prize winners, \$5.00 for 15. White Wyandotte pullets and cockerels, \$3.00 and \$5.00; eggs, \$5.00 for 15. R. P. Houston, Batesville, Miss. 95

**INDIAN RUNNER DUCKS,** English penciled, eggs and stock. Pure bred White Holland turkey eggs, 25 cents each. Prize-winning White Wyandotte eggs. Write for prices. Mrs. Grant Hughel, Anderson, Ind. 95

**MAMMOTH BRONZE TURKEYS,** \$5.00 per dozen; after May 1st, \$3.00. Barred Rocks, \$1.00 per 15. Indian Runner Ducks, \$1.00 per 13. Miss Alice Warwick, Bardstown, Ky. 95

**R. and S. C. RHODE ISLAND RED** eggs, splendid laying strain, \$2.00 per 16. Indian Runner eggs, \$1.50 per 13. Two drakes for sale, \$1.00 each. M. Ferguson, Guthrie, Ky. 98

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**EGGS! EGGS!!** S. C. Rhode Island Reds and S. C. Black Minorcas; grand winter layers; prize-winning strain. Eggs, \$2.00 per 15. Miss Annie Mae Ellis, Smith Grove, Ky. 99

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**BEST LAYING KINDS.** S. C. Anconas, White and Brown Leghorns, Black Minorcas, Rhode Island Reds. Indian Runner Ducks, white, fawn and white, and English penciled. W. T. Wilson, Mgr., Hendersonville, Tenn. 95



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**EGGS FROM PRIZE-WINNING** pens. Thompson's Ringlet Barred Rocks, Buff and Partridge Wyandottes, Black Langshans, S. C. White Leghorns, \$3.00 and \$5.00 for fifteen. Winners at all the leading shows. Nine entries won nine premiums at International Poultry Show, Atlanta. Catalogue free. Dutch Fork Truck Farm, Route 2, Columbia, S. C. 97

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Baby Chicks that live, \$12 per 100; after May 1st, \$10; packed to insure safe delivery. Eggs for hatching, testing high, \$1.25 per 15; \$5.00 per 100; \$40.00 per 1,000. As I am running a mammoth machine and control 1,500 breeding hens, I can supply the above in any quantity. Correspondence solicited. DARLINGTON EGG FARM, Alfred P. Edge, Darlington, Md.

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State of Tennessee, County of Jefferson: Clayton I. Ballard, proprietor of Nola Chucky Poultry Farm, White Pine, Tenn., being first duly sworn, certifies that six (6) Indian Runner Ducks laid from January 1st, 1909, to January 1st, 1910, 1351 eggs as follows: January, 119; February, 149; March, 177; April, 163; May, 168; June, 111; July, 70; August, 109; September, 93; October, 94; November, 63; December, 35; a total of 1351, an average of over 225 eggs per duck in twelve (12) months. (Seal) Signed: CLAYTON I. BALLARD. Subscribed and sworn to before me this 2d day of September, 1910. J. E. WILLIAMS, Notary Public.

## White WYANDOTTES

4 pens especially mated and brooded by Duston I, Duston II, White Chief and Snow Flake, respectively, all prize winners. Eggs for hatching now ready. Prices \$2.50 for 15.

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**M**Y BIRDS are absolutely white, of that deep-bodied type, low down on legs, up to weight, and I know I can please you. At the last and greatest show held at Madison Square Garden, I again control the winning male birds. My winnings include First Cock, Third Pen, Fifth Pen, and the Cockerel heading the first pen. The winning cock is without doubt, the greatest White Orpington in the world, having defeated the Crystal Palace champion and all the great cocks of America. These great birds, together with



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Are to be found in my birds not usually found in White Orpingtons. One hundred acres in **RUSSELL CAVE POULTRY YARDS** and over **SEVEN THOUSAND ACRES** IN "ELMENDORF FARM." Every bird guaranteed as represented and sold with the privilege of return. Write us today for Catalogue and Mating List which gives full winnings of previous years at Madison Square Garden, Allentown, Kansas City, Baltimore, etc.

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If you want an abundance of fair sized eggs at a minimum cost for feed, try some of these miniature WHITE LEGHORN BEAUTIES. Send for Mating List and winnings.

Our birds are those round, full, deep-bodied kind that win the blue ribbons at the shows, and fill the egg basket at home. Eggs from best matings, \$3.00.

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We have nearly 100 PRIZE WINNERS in our yards, and lots of other good ones. Our farm consists of 25 acres, DEVOTED EXCLUSIVELY TO POULTRY, and is up-to-date in every particular. Send for our Between Seasons mating list, quoting eggs at BARGAIN PRICES, until regular season opens. GET IT NOW.

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They won EVERY FIRST but one, and two special cups, thus maintaining their unbroken record of year and again asserting their superiority and good breeding. We have twenty pens mated for eggs this season. Send for our mating list, describing these yards. It's free. Send for it at once.

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THE BREED THAT PAYS IS THE BREED TO RAISE.

Winner second pen and fourth pullet, Nashville, Tenn.; fifth pen, Memphis, 1910. Won fifteen prizes, Little Rock, 1909; also won at Greenville and Jackson, Miss. Eggs, \$2.00 and \$3.00 per setting. Free 1912 Booklet now ready.

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Have won more prizes than any other Southern breeder this season on my White Indian Runners. Twenty-one prizes out of twenty-five entries, including sixteen firsts, in addition to eleven specials; two cups in competition open to all varieties of Runners. Heavy winnings at Atlanta, Richmond, Charlotte, Knoxville, etc. My birds are true Runner type and lay pure white eggs. Big demand. Order early.

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